Abdullah Al Mamun
Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-stack software engineer with 4.5+ years of experience building scalable web applications and ERP systems. Proficient in Python, Django, Flask, FastAPI, and cloud infrastructure. Passionate about clean code, problem-solving, and optimizing system performance to drive business growth.

TECHNICAL SKILLS

- **Frontend:** HTML/CSS, JavaScript, jQuery, Bootstrap, React JS, Streamlit
- **Backend:** Python, Django, Flask, FastAPI, REST APIs
- **Language:** Python, C, C++, R
- **Database:** MySQL, PostgreSQL, SQLite
- **ML/Deep Learning:** TensorFlow, Keras, PyTorch, scikit-learn, NumPy, Pandas, OpenCV.
- **Tools:** Git, Docker, AWS, CI/CD Pipelines, Linux, Agile/Scrum
- **Others:** IT Infrastructure, PABX, Data Analysis & Visualization, System Design, WordPress

PROFESSIONAL EXPERIENCE

Manager – Software Development & Network Operations   *Jan 2023 – Continuing*

GIC Global Ltd.

- Reduced significant system downtime through IT infrastructure management and troubleshooting.
- Designed & developed payroll software serving 100+ employees, enhancing processing efficiency.
- Led software design & development and collaborated with other teams for software betterment.
- Implemented Docker-based CI/CD pipelines & accelerated deployment cycles
- Fixed system bugs, strengthened security measures, and provided end-to-end user support.

Full Stack Software Engineer   *Dec 2020 – Dec 2022*

TechMelba International

- Developed a Django-based Garments ERP system for inventory, sales, production, and budget costing management, reducing manual errors significantly.
- Implement asynchronous task handling with Celery and Redis, improving system efficiency.
- Designed large-scale PostgreSQL databases for enterprise applications.
- Designed and implemented the frontend. Built REST APIs integrated with the frontend.

Data Annotator & Reviewer   *Aug 2020 – Nov 2020*

Quantigo AI

- Supervised a team of 10 annotators, achieving 96%+ data accuracy for ML datasets.
- Performed polygonal and bounding box annotations for computer vision projects.

EXTRA-CURRICULAR ACTIVITIES

- Volunteer at Obhizatrik Foundation and former member of the ACM student chapter
- Former Sub-Executive of the Computer Engineering Club of North South University

RESEARCH TOPIC

- The recent development of measuring glucose levels using smart devices without blood.

EDUCATION

B.Sc. in Computer Science & Engineering   *2015 - 2019*

North South University, Dhaka

HSC: Science   *2011 - 2013*

Amrita Lal Dey College, Barisal

SSC: Science   *2006 - 2011*

Kalaiya High School, Barisal

PROJECTS

- **Email Automation System**: Developed an automated email fetching system supporting multiple providers (Zoho, Gmail). Implemented OAuth & JWT-based authentication with role-based access control. Configured dynamic fetch intervals and background email synchronization using Celery & Redis. Built an intuitive rich-text email viewer with search and bulk actions.

- **HRIS & CRM Software:** Developed a fully integrated HR & CRM solution for large-scale users, automating HR workflows. Integrated real-time analytics to track employee performance and customer interactions.

- **Garments ERP Solution:** Designed a multi-module ERP system for garment manufacturing, streamlining production**.** Optimized database queries, reducing response time.

- **E-learning Platform:** Integrated payment gateways and session-based carts, handling 200+ concurrent users. Developed a separate admin panel for students and teachers.
  Technologies: Python, Django, PostgreSQL, Redis, AJAX, jQuery, Bootstrap, HTML, CSS.

- **E-commerce Platform:** Developed a fully functional online shop with a shopping cart, payment system & order tracking. Implemented asynchronous email confirmations, enhancing user engagement. Developed scalable admin panel and invoice system.
  Technologies: Python, Django, REST API, JavaScript, Redis, HTML, CSS, and Bootstrap.

- **Plant Diseases Detection Using CNN:** Trained a MobileNetv2 model from CNN on 25,000 images, achieving 98.81% accuracy in disease classification**.**
  Technologies: Python, Keras, TensorFlow, NumPy, Matplotlib, Pandas and Sklearn.

ONLINE COURSES & CERTIFICATIONS

- Python and Django Full Stack Web Developer Bootcamp - Udemy

- Machine Learning by Stanford University - Coursera

- Data Science in Python by University of Michigan - Coursera

- Advance Data Analysis & Visualization (Excel Pivot Table) - Udemy

LANGUAGE PROFICIENCY

- Proficient in both English and Bangla for work level.

REFERENCES

DR. MD. Mahfuzur Rahman
Assistant Professor
North South University, Dhaka
Email: mahfuzur.rahman05@northsouth.edu

Gazi Hasan Rahman
Vice President,
GIC Global Ltd, Dhaka
Email: g.hasan@gic-server.com

Ahmed Anwar

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C

Libraries and Tools: PyTorch, Tensorflow, Keras, Sklearn, Pandas, Matplotlib, Numpy, Selenium, Scrapy, Git

AI Expertise: Transformers (BERT, GPT), RNN, LSTM, CNN, Generative AI

Database: MySQL, PostgreSQL, MongoDB

Web Development Framework and Tools: Django, Django REST framework, FastAPI, HTML, CSS, Bootstrap

Additional Skills: Apache Airflow, SQLAlchemy, Docker, Nginx

WORK EXPERIENCE

AI Engineer
Spectrum IT Solutions Limited   *August 2024 - Present*

- Designing and implementing AI-driven products and solutions tailored to enhance business operations.
- Working on advanced fine-tuning of AI models, including the application of Parameter-Efficient Fine-Tuning (PEFT) techniques.
- Leveraging AWS SageMaker and Bedrock for model training, deployment, and scaling AI solutions.
- Building personalized chatbots and automation systems using Django, Flask, and Twilio API for backend development and enhanced communication.
- Developing and implementing vector search capabilities using state-of-the-art embeddings and vector databases for semantic search and personalized recommendations.
- Utilizing AI Agent based frameworks, OpenAI and state-of-the-art LLMs for developing AI-driven solutions.
- Collaborating with cross-functional teams to integrate AI services and deliver comprehensive solutions.

Junior Programmer
Genuine Technology & Research Ltd.   *June 2024 - July 2024*

- Refining and scaling existing AI Agent systems to further enhance automation and coherence.
- Implementing advanced AI-based software for practical use cases and alongside deepening expertise in machine learning.
- Developing and deploying innovative Python solutions for real-world applications.
- Conducting regular code reviews, providing and receiving constructive feedback to ensure high-quality code standards.
- Working with FastAPI and Django Rest Framework to build and manage RESTful APIs.

Python Intern
Genuine Technology & Research Ltd.   *March 2024 - May 2024*

- Developed AI Agent systems for automation tasks, increasing efficiency and productivity.
- Utilized Large Language Models (LLM) for natural language processing and data analysis.
- Gained hands-on experience with AI-based software (RAG-based), enhancing understanding of machine learning algorithms.

Student Tutor
BRAC University, Dhaka, Bangladesh   *October 2022 - December 2023*

- Tutored Python, OOP, Data Structures, and algorithms at BRAC University.
- Provided individualized guidance, fostering a supportive learning environment.
- Developed time management, teaching and leadership skills.

ABOUT MYSELF

As an AI engineer, I specialize in crafting AI-driven solutions that have a meaningful impact. My experience spans developing personalized chatbots to deploying large-scale models, blending technical expertise with creative problem-solving. From tutoring Python at BRAC University to driving AI innovations at Spectrum IT Solutions, I've nurtured a passion for cutting-edge technology. With a strong foundation in machine learning, generative AI, and web development, I'm committed to pushing the boundaries of what's possible and creating intelligent solutions that truly make a difference.

EDUCATION

BRAC University   **Dhaka, Bangladesh**
BSc in Computer Science and Engineering [CGPA-3.81]   *July 2020 - February 2024*

Rajuk Uttara Model College   **Dhaka, Bangladesh**
Higher Secondary Certificate [GPA-5.00]   *July 2017 - June 2019*

PROJECTS

- **OwnAgent Project: AI-based Task Automation System**, Developed an AI-driven task automation system leveraging advanced AI agents and Large Language Models (LLMs) to learn and replicate user interactions. [GitHub](#)
- **Fine-tuning Llama2 for Question Answering**, Fine-tuned Llama-2-7b-chat-hf on SQuAD2.0 for context-driven question answering, achieving superior performance on unanswerable and context-based queries. [GitHub](#)
- **LinkedIn Automation System**, Created an automation system for LinkedIn to streamline activities such as login, post analysis, automated reactions, and content extraction. [GitHub](#)
- **Cricket-Chatbot**, Developed an AI cricket chatbot using Retrieval Augmented Generation (RAG) techniques and Llama2, specialized in cricket-related queries. [GitHub](#)
- **Resource Sharing and Course Review Website**, Built a MERN stack website integrating AI-driven sentiment analysis for reviews, enabling resource sharing, blogging, and problem-solving. [GitHub](#)
- **Offensive Text Detection Model**, Designed offensive speech identification models using BiLSTM, SVC, and Logistic Regression, showcasing proficiency in NLP and machine learning. [GitHub](#)
- **Water Quality Detection Model**, Developed a Water Quality Detection Model employing SVM, Decision Tree, KNN, and Logistic Regression to predict water safety, demonstrating environmental ML applications. [GitHub](#)
- **Task Management Website**, Built a comprehensive Task Management Website using Django and PostgreSQL with advanced task categorization, priority setting, and user profile features. [GitHub](#)
- **Doctor Suggesting Website**, Created a Django-based doctor recommendation platform with BMI calculation, reviews, hospital admin tools, and real-time medical news aggregation. [GitHub](#)

THESIS WORK

Title: A Study on the Efficacy of Natural Language Generation

- Designed a classification model to differentiate between Rabindranath Tagore's texts and non-Tagore texts.
- Analyzed stylistic and linguistic differences between Rabindranath-era texts and contemporary Bangla texts.
- Conducted multi-author text classification for Bangla literature.
- Fine-tuned mT5 and BanglaT5 models to generate texts in Rabindranath Tagore's writing style.
- Developed a classifier to distinguish between authentic Tagore texts and AI-generated imitations.

CERTIFICATIONS

- **Generative AI with Large Language Models - DeepLearning.AI, Amazon Web Services**
  Issued May 2024 — [Credential ID YHGQPC4GTDMG](#)
- **End to End LLMs with Azure - Duke University**
  Issued Jan 2025 — [Credential ID 31HXGKL0YOGC](#)
- **Neural Networks and Deep Learning - DeepLearning.AI**
  Issued Apr 2023 — [Credential ID DYK78KKDML8X](#)

ACHIEVEMENTS

- **The Duke of Edinburgh's Award [Gold Awardee]**
  Issued Dec 2018
- **Merit Scholarship Award, BRAC University**
  Awarded for maintaining high CGPA
- **VC's List and Dean's List Award, BRAC University**
  As recognition of achieving outstanding academic performance

REFERENCES

- **Dr. Farig Yousuf Sadeque**
  Assistant Professor, Department of Computer Science and Engineering, BRAC University
- **Dr. Md. Khalilur Rahman**
  Associate Professor, Department of Computer Science and Engineering, BRAC University

Ahmed Shahriar Tanvir — *Software Engineer*

Dhaka – Bangladesh

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Professional Summary

Software Engineer with nearly 4 years of experience in designing and implementing microservices-based backend solutions using Spring Boot and Java. Proven track record in delivering scalable, high-performance systems while working remotely. Expertise in backend development and cloud technologies.

Technical Skills

- **Programming Languages:** Java, Python, JavaScript, TypeScript, PHP
- **Frameworks:** Spring Boot, REST API Design, Hibernate/JPA
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **Cloud & DevOps:** AWS, Docker, Kubernetes, CI/CD (TeamCity, Jenkins), Git
- **Tools & Others:** RabbitMQ, OAuth2, GraphQL, WebSocket, Cybersecurity Practices, Microservices, RabbitMQ

Work Experience

- **Software Engineer (Remote)**, Shipday Inc., Menlo Park, USA   *Aug 2021–Present*
  - Led the migration from a monolithic system to a microservices-based architecture, reducing deployment time by 40% and boosting scalability by 65%.
  - Developed core backend services using Java and Spring Boot, integrating MySQL, Redis, and RabbitMQ to achieve 99.95% uptime.
  - Designed and implemented an analytics service with enhanced reporting performance, improving efficiency by 30%.
  - Engineered a real-time chat service with WebSocket for over 100K users, maintaining sub-100ms latency.
  - Integrated with external platforms (Squarespace, Wix, Shopify, WooCommerce) via REST APIs and OAuth2 to enhance overall system functionality.
  - Proactively resolved critical system outages and mitigated cyber attacks, ensuring continuous service availability.
  - Contributed to open-source projects, including a Python library and a WordPress PHP plugin.

- **IoT Programmer (Intern)**, Datasoft Manufacturing & Assembly Inc., Dhaka, Bangladesh
  - Developed and deployed a machine learning model for the *MoreFish* project using IoT sensors, automating water quality and dissolved oxygen monitoring.
  - Enabled rural farmers to reduce operational costs by 40% and boost fish production through data-driven insights.

Education

- **B.Sc. in Computer Science and Engineering**, University of Liberal Arts Bangladesh, Dhaka, Bangladesh
  - Minor: Electrical and Electronics Engineering
  - CGPA: 3.73 / 4.0
- **B.Sc. in Mechanical Engineering**, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

Honours & Awards

- **IT Engineer Examination (FE, Level-2)** – Highest score in Bangladesh; certified by ITPEC, Japan.
- **Dean's List Scholarship** – Awarded for outstanding academic performance.
- **IEEEXtreme 15.0** – Led team to 8th place nationally.

Personal Projects

- **Smart Home Security System** – Developed a security system using Jetson Nano and Pi Camera with real-time alert capabilities.
- **Octapod Robot** – Designed and built an autonomous octapod robot integrating robotics and mechanical design principles.

FAZLUL AYAN KOUSHIK

House:114/4, West Agargaon, Dhaka-1207

📞 +8801515620305(WhatsApp) ✉ kf.ayan17@gmail.com GitHub Portfolio

Education

Daffodil International University   Jan. 2016 – Jan. 2020
Bachelor of Science in Computer Science and Engineering   *Dhaka, Bangladesh*

Experience

JB Connect Ltd.   Oct. 2024 – Present
Back-end Engineer   *Dhaka, Bangladesh*

- Engineer robust back-end solutions through the full life-cycle within Agile teams. Translate complex business requirements into scalable, reliable code and technical specifications aligned with user needs.
- Spearhead initiatives enhancing system performance and scalability. Identify bottlenecks through profiling; implement optimizations such as caching / data base tuning to improve key metrics and support future growth.
- Lead thorough code reviews, mentor junior developers with constructive feedback. Champion best practices (solid, secure coding) to improve team skills and enhance code-base quality/maintainability.

Fiverr   Fab. 2024 – Oct 2024
Back-end Engineer   *Dhaka, Bangladesh*

- Engineered & optimized scalable back-end features, improving application performance & UX.
- Implemented code improvements across the full project life-cycle for system efficiency & reliability.
- Mentor junior, fostering a collaborative and innovative design culture.

HealthOS Ltd.   Aug. 2022 – Jan. 2024
Jr. Back-end Engineer   *Dhaka, Bangladesh*

- Optimized PostgreSQL performance & built Python solutions, achieving significant reductions in query times.
- Mentored interns and contributed to Git workflow management, enhancing team collaboration & code quality.

Softlab IT   Oct. 2021 – July. 2022
Jr. Software Engineer   *Dhaka, Bangladesh*

- Developed software solutions to address clients specific challenges and Refined existing code to fix bugs and enhance functionality.

Projects

HealthOS | *Python, Django, DRF, PostgreSQL, Redis, TDD, Celery, Selenium, Elasticsearch, etc.*   **January 2024**

- Built the back-end of a B2B medicine e-commerce platform using Python, Django, and DRF.
- Used Redis for caching, Celery for task queues, and Elasticsearch for fast search capabilities.
- Applied TDD to ensure code quality and Selenium for automated testing of key user flows.

Supplers | *Python, Django, DRF, PostgreSQL, Redis, TDD, Celery, BeautifulSoup, etc.*   **March 2023**

- Engineered the back-end architecture for a furniture e-commerce platform with Python, Django, and DRF.
- Implemented Redis for caching and Celery for asynchronous task management, TDD to ensure code maintainability.
- Used BeautifulSoup to scrape product data from various websites and integrated it into the platform.

Esquire Electronics |JavaScript, Node.js, Redis, MongoDB, TypeScript, Angular, Material UI   **July 2022**

- Developed and maintained the back-end of an e-commerce platform for electronics, using Node.js, Redis, and MongoDB to manage online shopping, and delivery services.
- Contributed to front-end development using TypeScript, Angular, and Material UI to create a responsive and user-friendly interface.
- Integrated Redis for efficient caching and real-time data handling to enhance site performance.

Technical Skills

Languages: Python, JavaScript, TypeSript
Technologies/Frameworks: Django, DRF, FastAPI, Flask, Node.js, Angular, Linux, Celery, Selenium, Elasticsearch, Docker, PostgreSQL, MongoDB, Pandas, NumPy, GitHub, WebSocket, AWS, OpenAI, LangChain, LlamaIndex, Agentic AI
Developer Tools: PyCharm, VS Code, WebStorm, Postman

JOY BARMAN

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A results-driven software engineer with experience in both backend and frontend development. Currently specializing in backend development, with a strong foundation in designing scalable and efficient systems. Previously worked as a frontend developer, gaining expertise in building intuitive user interfaces and seamless user experiences. Passionate about creating robust, high-performance applications and optimizing system architecture for scalability and maintainability.

Professional Experience

Junior Backend Developer | Repliq Limited | MAY 2023 TO PRESENT

- Develop and maintain scalable backend systems using Python, Django, and DRF.
- Lead a team of engineers, ensuring efficient project execution and collaboration.
- Implement WebSocket for real-time communication, Redis for caching, and Elasticsearch for advanced search.
- Work on AI-driven solutions and complex system integrations.
- Optimize database performance and enhance application scalability.
- Project**:** ProHR

Junior Frontend Developer| FreshoSoft Limited | NOVEMBER 2021 TO November 2022

- Developed and designed responsive web applications using React and JavaScript.
- Implemented APIs and ensured seamless integration with backend services.
- Collaborated with clients to understand and meet their requirements.
- Optimized UI/UX for better performance, accessibility, and user experience.

Key Skills

- Programming Languages: Python, JavaScript, C
- Frameworks : Django, Django-Rest, React Js
- Tools & Technology :Machine-Learning, Web-socket, Elastic-search,Redis-cache,Celery,(Unit/Py/Async)-Test,Docker,Git, HTML, CSS, Bootstrap
- Database Management: PostgreSQL, MySQL.
- Software Development: Agile methodologies, CI/CD pipelines, TDD
- OS : Linux, Window's
- Leadership: Cross-functional team management, mentoring, performance evaluation

Personal Projects

- Real-time Notification Package: Developed a Django package for real-time notifications using WebSocket**.** GitHub
- Real-time Chat App: Built a Django DRF-based chat application with WebSocket support. GitHub
- B2B Medicine E-commerce Service: Developed the backend for a B2B medicine e-commerce platform using Django and DRF. GitHub
- Social Media App: Developed a social media platform backend with Django and DRF, featuring user interactions and real-time updates. GitHub

Education

B.sc in Software Engineering | Daffodil International University | Dhanmondi, Dhaka | 2021

Certifications

Machine Learning Foundations (University of Washington) - View Certificate

Kamruzzman Shuvo [Web](#) [Github](#) [LinkedIn](#)

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CAREER OBJECTIVES

Versatile Software Engineer with 4.5+ years of experience, primarily in backend development, along with expertise in frontend development, data analytics, and machine learning. Passionate about building user-centric, scalable applications and driving innovation through modern technologies, cloud solutions, and optimized workflows.

PROFESSIONAL EXPERIENCES

Softzino Technologies - Software Engineer & Apple Inc. - Independent Contractor

APRIL 2023- Present

Responsibilities:

★ Work on the Global Business Intelligence (GBI) Data Lab at Apple, developing scripts to pipeline data from source to destination. Manage and process large datasets for optimized Extract, Transform, and Load (ETL) operations for the Data Warehouse solutions. Schedule and maintain automated scripts within the Apple Datalab environment to ensure seamless data flow.

★ Synchronize diverse types of real-time data between sources and destinations, such as handling real-time operational data from BOX.

★ Automate processing for incoming email data, such as Excel and CSV files, to preprocess and route the data into the designated database. Integrate and process data from various third-party APIs for further analysis and reporting.

★ Implement caching mechanisms for data within the database to enhance retrieval efficiency and handle APIs using the publisher/subscriber model for efficient data synchronization and real-time communication between systems.

★ Develop and manage Continuous Integration and Continuous Deployment (CI/CD) pipelines for deploying Python scripts on Kubernetes. Utilize Rio to streamline and manage the CI/CD processes, ensuring efficient deployment, scaling, and monitoring of services within the Kubernetes environment.

★ In-house, working on the AI-based project titled "AI-based Resume Screening," focused on utilizing AI to enhance the resume evaluation process.

MySoft Limited - Programmer and Coordinator

APRIL 2022- MARCH 2023

Responsibilities:

★ Project coordinate on [Virtual Internship System](#) and mentorship of [Virtual Internship](#) (Data Analytics and Full Stack Development).
★ Initiate new projects by generating SRS and SDS, analyzing, and planning.
★ Research to initiate projects and find out the vulnerability and work with the core developing teams.
★ Programming to fix the vInternship existing problems and developing new features on vInternship.

eSystems Research and Development Lab - Programmer & Research Assistant

OCTOBER 2020- MARCH 2022

Responsibilities:

★ Research, design, development, write new software programs and investigate new technologies.
★ Continually update technical knowledge and skills by attending in-house and external courses and accessing new applications.
★ Analytics in Big data with multidimensional data modeling (e.g. star schema), and online analytical processing (OLAP).
★ Maintain systems by monitoring and correcting software defects.

PROFESSIONAL SKILLS

Programming Languages: Python (Expert), PHP (Intermediate), JavaScript & TypeScript (Basic)
Frameworks: Django, Django REST, Flask, Bootstrap (Library), jQuery, Vue.js, CodeIgniter
Database Services: MySQL, MongoDB, PostgreSQL
Data Modeling and Query: Star Schema, Snowflake Schema, Multidimensional Query (OLAP)

Version Control: Git, GitHub, BitBucket, GitLab

Virtualization & Deployment Tools: Docker, Kubernetes

ML/DL Models & Frameworks: Numpy, Pandas, Scikit-learn, Sentence Transformers, PyTorch, NLP, TensorFlow, Sequential Model, Transformers, Word Embedding, Explainable AI (Tree-based Models, SHAP, LIME), LangChain, Hugging Face Models

AWS Services: AWS IAM, Networking on AWS, Cloud Computing, AWS Management Console, AWS Security, S3 Bucket

Web Servers: Nginx, Apache2

Message Broker: RabbitMQ

CI/CD Tool: Rio

EDUCATION

Bachelor of Science in Computer Science and Engineering | JANUARY 2017- DECEMBER 2020

North South University, Dhaka, Bangladesh

CGPA: 3.28

SPECIALIZED COURSES

Deep Learning Specialization (November 4, 2024) | **Coursera** - Link

ADDITIONAL COURSES

Object detection with Faster R-CNN and PyTorch (February 25, 2025) | **Cognitive Class** - Link

Developing LLM Applications with LangChain (February 23, 2025) | **DataCamp** - Link

Explainable AI in Python (February 21, 2025) | **DataCamp** - Link

Introduction to Deep Learning with PyTorch (February 20, 2025) | **DataCamp** - Link

Getting Started with Docker and Kubernetes + Hands-On (January 14, 2025) | **Udemy** - Link

AWS Cloud Technical Essentials (January 22, 2024) | **Coursera** - Link

Data Analysis with Python (October 8, 2022) | **Coursera** - Link

TRAINING AND CERTIFICATIONS

MySoft Health Data Analytics vInternship (June 8, 2022) | **vInternship.org** - Link

REFERENCES

Dr. Abu Sayed Md. Latiful Hoque

Professor & Head of eSRD-Lab

Dept. of CSE, BUET

Contact: asmlatifulhoque@cse.buet.ac.bd

Kazi Shoukat Hossain

Manager, SQA & Project

Softzino Technologies

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Md. Abdullah Al Arif

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SUMMARY

- Primary Role   : Software Development, Backend Developer
- Primary Skills   : Python 3.x, Django, REST, GraphQL, Linux, Databases
- Secondary Skills   : DevOps, CI/CD, Infrastructure as Code(IaC)
- Industry Experience : Startups, Corporate

PORTFOLIO

- GitHub   : https://github.com/Arifcse21
- Medium   : https://medium.com/@arifcse21
- DockerHub   : https://hub.docker.com/u/arifcse21
- PyPI   : https://pypi.org/user/Arifcse21/
- LinkedIn   : https://www.linkedin.com/in/arifcse21/

SKILL MATRIX

- Backend Development, API Development and Integration, Debugging and DevOps
- Python, Django, REST API, GraphQL
- SQL queries, PostgreSQL, MySQL, Neo4j, Redis
- AWS EC2, S3, RDS, SSM, IAM Roles
- Docker, Docker Compose, Jenkins, Terraform, Consul, Apollo Federation
- Kong Gateway, Prometheus, Graphana, Caching
- PyTest, SQLAlchemy, ElasticSearch, Postman, Jira, Vim, RabbitMQ, Kafka, Celery

WORK EXPERIENCES

One Direction Companies Limited.

Assistant Manager-IT

January 2025 – Present | Dhaka, Bangladesh | Full-Time

Senior Executive Officer-IT

August 2024 – December 2024 | Dhaka, Bangladesh | Full-Time

ERP Microservices Platform Development

- Architected a federated GraphQL solution using Apollo Federation, consolidating 15+ domain-specific services into a unified enterprise schema for seamless data access and scalability
- Developed core microservices with GraphQL, implementing intricate ERP business logic for modules such as product management, price control, procurement, manufacturing workflows, and system configurations
- Automated on-premise infrastructure provisioning using Terraform and Docker, reducing deployment cycles by 55% and enhancing operational efficiency

API Gateway & System Integration
- Deployed Kong Gateway to centralize API management, incorporating advanced features like rate limiting, JWT-based authentication, and request transformation to ensure secure and efficient service communication
- Designed and implemented custom plugins for Kong Gateway using Lua, tailoring the gateway to meet specific organizational requirements
- Established an event-driven architecture using Apache Kafka, integrating dead-letter topics (DLTs) to handle failed events, achieving 99.98% message delivery success and ensuring robust system reliability

DevOps & Infrastructure Automation
- Authored Infrastructure-as-Code (IaC) templates to standardize microservice containerization, enabling consistent and repeatable deployments across environments.
- Engineered a monitoring stack using Prometheus and Grafana, developing custom exporters to track microservice health metrics and provide real-time insights into system performance.
- Integrated caching mechanisms using Redis and optimized end-to-end delivery processes to enhance stakeholders experience and operational transparency.

Keywords: ERP, POS, Microservices, Docker, GraphQL, Python, Lua, PostgreSQL, Kafka, Terraform, IaC, DevOps, Redis, EDD, API Gateway, Event-Driven Architecture

TechForing Limited
Python Django Developer
June 2023 – July 2024 | Dhaka, Bangladesh | Full-Time
Spearheaded Client Onboarding and Support Platform
   - Implemented live chat and push notifications to improve internal and client communication
   - Designed Web Socket-based real-time communication systems for seamless support

Developed Budget and Financial Tracking Features
   - Created tools for detailed budget management and financial reporting
   - Implemented comprehensive tracking systems for accurate financial analysis

Designed and Implemented Email and SMS Automation Systems
   - Developed versatile systems for configuring and scheduling automated notifications
   - Utilized advanced scheduling capabilities to optimize communication workflows

Keywords: DjangoREST, JWT, PyTest, Swagger, Agile, S3, CI/CD, Web Socket, Celery

Sawari Overseas
Backend Developer
March 2022 – May 2023 | Dhaka, Bangladesh | Full-Time

Travelport uAPI Integration with Django REST API for OTA System
   - Created and managed SOAP requests and response data
   - Implemented secure user authentication and authorization using JWT
   - Developed RESTful endpoints to streamline booking workflows

Collaborated on Microservice Architecture Maintenance and Optimization
   - Designed scalable microservices and conducted performance tuning
   - Implemented monitoring tools for system reliability

Developed and Optimized Booking Workflow APIs
   - Created intuitive APIs for booking processes and ensured comprehensive testing
   - Collaborated with frontend teams for seamless API integration

Keywords: DjangoREST, OTA, Linux, PyTest, PostgreSQL, GDS, JWT, Postman, AWS, Jira

PET PROJECTS:
dStats - Docker Statistics & Network Visualizer Tool
Open-source project | January 2025 – Present

Designed and implemented a real-time container monitoring system leveraging the Docker SDK
   - Processes 10+ metrics/sec per node
   - Dynamic visualization of Docker statistics and network connectivity graphs
   - Documented deployment scenarios including Docker run and privileged mode operations
   - Published the project as a public Docker image (arifcse21/dstats) on Docker Hub
   - Released the tool as a PyPI package (dStats) for Python developers

Keywords: Docker SDK, Python, Django, DevOps, Network, Graph, Statistics

EDUCATION
   - B.Sc. Engineering in CSE, Bangladesh Army University of Science & Technology-BAUST,
     Saidpur Cantonment, Nilphamari, Rangpur, Bangladesh (2022)

Md. Abu Farhad

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Work Experience

Relisource *Boston, United States*
Software Engineer *Aug 2024 - Current*

- Developing a **Real time visibility platform (RTVP).**
- Collaborated with external parties to extract and process raw data into a usable format for analysis
- Designed and implemented ETL pipelines in Databricks to ingest, clean, and transform data.
- Writing different Azure functions.

Monstarlab Bangladesh (MLBD) *Dhaka, Bangladesh*
Software Engineer - II *March 2022 - July 2024*

- Developed high-performance microservices for **CAFU**(A world-leading fuel delivery and vehicle services platform),enhancing scalability and supporting over **95k+** daily active users.
- Designed, developed, and maintained scalable and efficient back-end services using Golang within an event-driven architecture to support CAFU consumer app.
- Participated in architectural design and review processes, ensuring that solutions are scalable, resilient, and cost-effective.
- Compiled, understood, and analyzed the product manager's requirements to contribute to the development of new features.
- Developed the Phantom Home-Screen Backend for **CAFU**, increasing the daily new user base by **30%** and **100%** customer satisfaction.
- Reduced the error rate by **90%** compared to the previous car-service system at **CAFU**.
- Designed and implemented internal tools to automate and optimize the data handling and data syncing processes.
- Implemented **gRPC and Protocol Buffers** to achieve robust and lightweight communication between different micro-services.
- Developed and maintained a **chat service** for enhance user interaction.

Vivasoft Limited *Dhaka, Bangladesh*
Software Engineer *April 2021 - February 2022*

- Designed and implemented multiple **microservices from scratch** by following **clean architecture** manner for a startup.
- Implemented complex features of REST APIs in a clear, maintainable, and testable manner.
- **Dockerized** multiple project's backends and database services which helped to deploy rapidly and gave better portability.
- Wrote **integration and unit tests** for various microservices and **automated** the entire testing process using Docker and **shell scripts**.

MyMedicalHUB *Dhaka, Bangladesh*
Machine Learning Engineer *May 2020 - July 2020*

- Developed a model of "Automatic vertebrae Detection and localization in CT Scan with two-stage CNN."
- Developed complex features and model to detect vertebrae.

Skills

Programming Languages	Go (Fluent), Python (Fluent), C# (Fluent), C++ (Fluent), Java (Proficient), Javascript (Proficient)
Frameworks	Gin (Fluent), Echo (Fluent), ASP.NET Core (Proficient), FastAPI (Proficient), Django (Proficient)
Tools & Technologies	Docker, **Kubernetes** (Intermediate), Git, OOP, gRPC, GraphQL, RabbitMQ, Kafka, Terraform , CI/CD, Agile, etc.
Database	MySQL, PostgreSQL, CosmosDB, MongoDB, Redis, etc.
Cloud	**AWS** (Compute(EC2, Lambda), Networking(VPC, Route 53), Containerization(ECS, EKS), Messaging(SQS, SNS)), **Azure** (Service Bus, Stream Analytics, Function App, Event Hubs), etc.
Data Engineering	Databricks, Apache Spark, Azure (Data Lake, Data Factory), etc.
Research Skills & Tools	Machine Learning, Deep Learning, Keras, NumPy, Pandas, etc.

Achievements

Dec - 2019	**9th Position**, Inter-University Programming Contest	*VU, Bangladesh*
Aug - 2019	**3rd Runners-up**, Intra-University Programming Contest	*RUET, Bangladesh*
Apr - 2022	**1st Runners-up**, Monstarlab Global Hackathon	*Dhaka, Bangladesh*
Till now	**1700+**, Problems solved in different **online judges** ↗	

Projects

Real time visibility platform (RTVP) *United States*

Client Based Project *Aug 2024 - Jan 2024*

- A real-time visibility platform leveraging data engineering to provide actionable insights and optimize decision-making processes.

WellTeam [↗] *Adelaide, Australia*

Client Based Project *Oct 2022 - Feb 2022*

- Welleam is a health and wellness project that offers personalized nutrition plans, fitness coaching with online programs.
- We followed the **Microservice** architecture. Used **Golang** as our programming language and **MySQL** as the database system.

Car-Service *Dubai, UAE*

Client Based Project *Oct 2022 - Jan 2024*

- This is an **on-demand car service product** that offers a range of services, including car wash, oil change, battery change, and tire change.
- **Utilized -** Microservice architecture, Golang, PostgreSQL, Goose, AWS S3, SNS etc.

Go-email-client (GoMail) [↗] *Dhaka, Bangladesh*

Personal Project *Apr 2024 - Current*

- A fast and minimal terminal-based email client built in Go. Inspired by tools like mutt, aerc, and himalaya.
- **Key Features -**Terminal-Based Email Client (TUI), IMAP & SMTP Support, Clean Architecture, Modular and Scalable Architecture, Logging, and Error Handling etc.

Golang Boilerplate [↗] *Dhaka, Bangladesh*

Personal Project *Aug 2022 - Current*

- A **Clean Architecture** of Golang Boilerplate for a robust and scalable starting point for application development, adhering to the principles of clean architecture.It establishes a solid foundation to ensure maintainability and flexibility throughout the software's development lifecycle.
- **Key Features -**Clean Architecture Principles, Modularity, Dependency Injection, Database Integration, Logging, and Error Handling etc.

CareConnect AI [↗] *Dhaka, Bangladesh*

Personal Project *Aug 2022 - Oct 2022*

- Connecting Doctors and Refugees for Free Medical Assistance using Machine Learning Approach.
- As a doctor I want to help refugees who need medical advice in my free time. As a refugee i need access to doctor who can help with my medical issues. Connect doctor who wants to help refugees in their free time to refugees who needs medical consultancy through a mobile app.
- **Key Features -**Machine Learning, Clean Architecture Principles, Modularity, Dependency Injection, Mysql, Logging, and Error Handling etc.

Research Experience

Rajshahi University of Engineering & Technology (RUET) *Rajshahi, Bangladesh*

Research Assistant *Dec 2019 - Feb 2021*

- Brain Tumor Segmentation on MRI Images Using Deep Learning Based Image Segmentation Model.
  - Improved the model performance and Achieved a positive predictive value (PPV) of 0.87 and sensitivity 0.89.

Education

Rajshahi University of Engineering & Technology (RUET) *Rajshahi, Bangladesh*

B.Sc. in Computer Science and Engineering *Jan 2016 - Dec 2020*

- **CGPA: 3.41/4.00**

References

Tanveer Hassan
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Dhaka, Bangladesh
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Rajshahi, Bangladesh
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Phone: +881672340091

Md. Mohiuddin Ahmed

 LinkedIn | +8801729-470-146 | mpmohi.com | mohiuddin0sumon@gmail.com | /MohiuddinSumon

Skills

- Python | Django | Flask | FastAPI | C++ | HTML | CSS | Ai | Ruby | Ruby on Rails | GO
- MySQL | PostgreSQL | AWS DynamoDB | Azure CosmosDB | NoSQL | Git | Gitlab | Azure Devops | PyTest | Jira | Agile
- AWS (IAM, EC2, S3, Lambda, API Gateway, CloudFront, CloudWatch, Cognito)| Azure | CI/CD | Terraform
- Microservices | Distributed Systems | Backend

Experience

Senior Software Engineer   **Brain Station 23 PLC**   *Dhaka, Bangladesh*   **10/2021 - Present**

- Developed a solution with **AWS Cognito, AWS API Gateway**, **Terraform**, and Python **Django**, enabling clients to **monetize APIs** through third-party client integration, **expanding** their business and **adding new sources of revenue** within project deadlines.
- Developed a **Python**-based 3DSky Organizer with **GUI** for auto file categorization; built an **asynchronous** Telegram downloader using **concurrent processing** for efficient file retrieval and preview generation that made the client's entire process **automated**.
- Inspected and **optimized** a system using Google Maps API, **reducing daily costs** by approximately 83% by implementing **pre-calculation** methods and **improving data handling**.
- **Led** Platform 13's **design and development** with **Django** and **DRF**, Vue.js, incorporating Azure Service Bus, reducing port emissions by 60% and enhancing user experience by 25%.
- Developed a full-stack web application using **FastAPI for backend API** services and **Svelte for frontend** user interfaces, optimizing performance and providing a seamless user experience.
- Incorporated **Terraform** for **IaC** and Azure Repos for **automated deployment** across services, streamlining processes by 40%.
- **Delivered** the pilot phase **on time** in strategic locations such as Singapore, Fujairah, Gibraltar, and Santos, collaborating within cross-functional teams and **mentoring two engineers** to ensure the application's cohesiveness and high performance.
- **Implemented** a **serverless backend** for Sharebus, unlocking seamless shared trips and ticket purchases across Norway, Sweden, and Denmark generating 20% more revenue to the company.
- Developed and maintained Sharebus backend, featuring user registration and sign-in via **AWS Cognito**, API development, and data storage with **AppSync**, **AWS Lambda**, and **DynamoDB**, cutting authentication time by 30%.
- Employed the **Scrum** framework to rapidly launch a fully functional **public-facing MVP** of the Sharebus app within just **6 months**.
- Constructed API with **DRF** and **AWS Cognito** user pool for an iOS and Android application, reducing user authentication time by 20%.
- **Integrated** SaltoSystem's IoT-based key-less locks allow users to unlock rooms with phones at the booked time, saving 10 minutes per entry compared to traditional key methods.
- Created a **django admin panel** aligned with 100% client's requirement. Utilized **Python**, **Salto**, **Django**, Django Rest Framework (DRF), Celery, Celery-beat, **PostgreSQL**, **AWS-Cognito**, Twilio, SendGrid, **Stripe**, Terraform, **Auth0**.

Software Engineer   **Nascenia**   *Dhaka, Bangladesh*   **12/2019 - 08/2021**

- Evaluated and replaced existing square and **PayPal** system with GMO payment gateway (card, paypay) that boosted sales by 65%.
- Created a **PWA** ready, highly scalable e-commerce aggregator operates nationwide built on top of **Saleor Commerce**.
- Analyzed and integrated Keycloak with **python keycloak** that provided **single-sign on** functionality possible for 100% partners.
- Established **django graphene graphql** based backend API that boosted overall user experience by 30% .
- Delivered on time and currently used by more than 9000+ agents **all over the country**.
- Analyzed and strategized core structure for **multi-layered SSH sessions** on network devices, yielding a 40% efficiency boost.
- Automated **concurrent** BSC/RNC health check and report generation process from **parsing data of ssh sessions** which bring over 600% efficiency to the team.
- **Automated** tone loading of all existing Media Gateways on the network, slashing loading time from **days to mere hours**, representing an efficiency increase of over 80%.
- Collaborated with a cross functional team of 12 members to **prepare a data gathering pipeline** from different API and server.

Apprentice Engineer   **Summit Communication LTD**   *Dhaka, Bangladesh*   **07/2018 - 04/2019**

- Designed and **Prepared an automation tool**, along with a **monitoring dashboard**, enhancing team productivity by 60% and increasing ticket completion rate by 22%.

Education

Bachelor of Science   **East West University**   *Dhaka, Bangladesh*   **01/2014 - 12/2018**

- Major in Computer Science and Engineering
- Publications: 1. IoT based real time air quality monitoring system (https://cutt.ly/A3BSXxm)
                        2. IoT based Smart anti-theft vehicle tracking system (https://cutt.ly/h3BSB7O)

Md. Nazrul Islam Yeasin
Developer Over 3+ Years Experiences

National University
Gazipur - 1704

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nazrulislamyeasin@gmail.com

🧠 SKILLS

- **Programming**   Python, Golang , JavaScripts ,
- **Development**   Django / Django Rest Framework

  Gin (Golang Web Framework) ,

  Express JS, Twisted Framework
- **Fundamentals**   Data Structure , Algorithms & Problem solving
- **Databases**   PostgreSQL, MySQL, No-SQL
- **Cache & Ques**   Redis , Celery , ElasticSearch
- **Deployment**   Docker , AWS, Github Actions , Digital Ocean
- **Version Control** Git , Github
- **Environment**   Linux , Ubuntu , VS-Code
- **Others**   React ,WordPress , Bootstrap, CSS3 , HTML5

💼 EXPERIENCES

Software Engineer,Kashfia IT

July 2023 - Present || Full Time

Incepted in 2022, Kasfia IT is a leading Development & Design expert company providing superior Software, Web, Mobile and Creative Designing solutions and services to companies globally. Having a strong Technology Development and Innovation center in Bangladesh

- Developing Backend Funtionality for complex systems
- Team Collaboration and Implementation
- Building Rest-API client
- Analyzing Client requirements
- Deploy a production ready software

Software Engineer, Parallaxlogic Infotech

January 2023 - July 2023 || Full Time

Parallaxlogic Infotech is an Award Winning Software Development Company passionate about performance. More than 700 successful projects with partners across the globe: Europe, USA, and Canada. I was accountable for :

- Adding custom functionality to Matrix Synapse
- Developing Microservices using twisted framework
- Building Rest-API client
- Building Network Driven Application
- Deploy a production ready software

Software Engineer, Store Republic

June 2021 - December 2022 || Full TIme

Store Republic is Canadian Based Company that provides Enterprise products. My responsibilites there was to develop a Microservices based web app from an existing PHP based web app with more than thousand data in it. We use Django as Backend , React as Frontend & PostgresQL as Database intrigrated Github action to deploy in Docker Container. I was accountable for :

- Designing the Database in PostgresQL
- Developing Microservices
- Building Rest-API client
- Using Threads where needed.
- Managing the Codebase Properly

🖥 PROJECTS

Payra APP Backend | Rotary org Bangladesh

Django, Django Rest Framework, Core-API
Docker, Github Action, PostgresQL, Simple JWT

This was the project I mainly work in my past company. I work mainly as a Backend developer in this. Database designing including Email configuration, Threading process, Creating Rest-API for frontend developers, Managing the codebase properly with version control, solving the problem as soon as possible were my solo responsibility.

NWU (University Management Software)

Django, Rest Framework,React, Docker

A portal where an University can manage their students, teacher, academic, staff . All kinds of academic reports like Result sheet, Salary sheet, Yearly, monthly, weekly report , individual result portal for each student dashboard , teacher dashboard, staff dashboard were included.

Chardike | E-commerce Backend

Django, Rest Framework,React,Node, Docker

User Authentication (Customer, staff, Admin), Order Management , Delivery Management, Admin Management. OTP Generate, Report (Daily,Weekly, Monthly,Yearly) generate and all kinds rich feature were included so that an e-commerce business can run their business without worry.

Zooming CLS (Google Classroom Clone)

Django, JavaScripts,Bootstrap, SASS, HTML5

Teacher can create class and can send emails to students with class joining code. A student can join class and leave also. Class Stream, people and files included.

Movement Pass Bangladesh (Clone)

Django, JavaScripts, Bootstrap ,SASS, HTML5

This was a actual clone version of Bangladesh Movement Pass Police created at pendamic situation. User can apply for movement pass and admin has to approve it so that user can download the pass as PDF.

MultiBlogs - Multi Author Advanced Blogs

Django, JavaScripts,Bootstrap,SASS, HTML5

Multiple user can create blogs . Blog topics showed as descending order having most blog under them in header menu. Custom users applied and have dedicated dashboard.

Stack Overflow (Clone)

Django, JavaScripts,Bootstrap, SASS, HTML5

This was a clone version of popular website named Stack overflow. This project was a collaboration project . The majority features of the main app was implimented here.

Hospital Management (HMS)

Django, JavaScripts,Bootstrap, SASS, HTML5

An Intermediate software for managing Hospital & Clinic. Patient , Doctor, Superadmin has their own access to the software to play their own role.

🎓 EDUCATION

Becholor of Business Administration

Mohammadpur Central University
Session : 2017-2018

Higher Secondary Certificate

Dhaka Residential Model College
Session : 2014-2016

🔗 INFORMATION LINKS

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Email nazrulislamyeasin@gmail.com

Github   https://github.com/yeazin

Twitter https://twitter.com/_yeazin

Facebook https://facebook.com/yeazin.io

Linkedin https://linkedin.com/in/yeazin

MD SAGOR MIA

Software Engineer ◇ Pabna, Bangladesh

musagor78@gmail.com ◇ linkedin.com/in/muhammad-sagor ◇ github.com/Sagor0078 ◇ +8801747682342

EDUCATION

Bachelor of Science in Information and Communication Engineering　　　　2019 - 2024
Pabna University of Science and Technology

SKILLS

Programming	**Python**, C, C++, **Java**, **JavaScript**, Bash
Back-End	**FastAPI(Python)**, **Django(Python)**, Nginx, **RESTful API**
Database	MongoDB, **PostgreSQL**, **MySQL**, Chroma DB
DevOps/MLOps	**Docker, CI/CD Pipeline, Git, Github Actions, Kubernetes**, Terraform, MLflow, Apche Spark
Cloud Services	AWS, Microsoft Azure
Front-End	HTML, CSS, HTMX

ACHIEVEMENTS

- **Competitive Programming Participant** Active in **ICPC, Codeforces, CodeChef, and Atcoder** competitions. Solved over **2000 problems** on platforms like **LeetCode, Codeforces, AtCoder, UVA, HackerRank, and CodeChef**, focusing on a wide range of **Data Structures and Algorithms**.
  Champion - ICE FEST Programming Contest 2023 surpassing 20+ teams, showcasing strong collaboration and technical problem-solving skills.
  StopStalk: https://www.stopstalk.com/user/profile/Sagor78
  LeetCode: https://leetcode.com/u/sagor78/
  HackerRank: https://www.hackerrank.com/profile/musagor

- **Finalist Disaster Hackathon 2.0** Among 120 teams from various universities, ranked in the top **5 teams** in the Disaster Hackathon 2.0
  Website: https://startnetwork.org/

- **ML, MLOps, LLM, and Data Engineering Zoomcamp Participant (2023-2024)** Participated in Zoomcamps for ML, MLOps, LLM, and Data Engineering, gaining proficiency in Machine Learning Engineering and building scalable, efficient ML platforms using **Software Engineering principles**.
  DatatalkClub: https://datatalks.club/blog/guide-to-free-online-courses-at-datatalks-club.html

WORK EXPERIENCE

AI/ML Specialist　　　　　Jan 2025 – Present [ATC Tech Ltd](#)　　　　　*Dhaka, Bangladesh*

PERSONAL PROJECTS

Building "Ask me PUST" Chatbot Applications　　　　April 2024 - Present
[Pabna University of Science and Technology](#)　　　　*Pabna,Dhaka,Bangladesh*

- Developed **'Ask me PUST'** chatbot application using **Retrieval-Augmented Generation (RAG)** approach, **Gemini API**, and **FastAPI**, enhancing user interaction through advanced natural language processing and efficient backend architecture.

Readify-Backend

- Developed backend using **FastAPI**, leveraging **SQLAlchemy ORM** and **PostgreSQL**. Implemented **JWT**-based authentication and enhanced performance with **Redis** caching. Managed background tasks with **Celery** and containerized the project using **Docker Compose**.

- GitHub: https://github.com/Sagor0078/Readify-Backend

Machine Learning Model Deployment with FastAPI, Docker, and Kubernetes

- Deployed machine learning models using FastAPI, Docker, and Kubernetes for efficient model serving.

- Implemented background task processing with **Celery** and **Redis** for asynchronous task management.

- Provided **RESTful API** endpoints for predictions and results retrieval, facilitating integration with other applications.

- Utilized the **Breast Cancer Wisconsin (Diagnostic)** dataset for model training and evaluation.

- Employed data preprocessing, model training, and evaluation techniques to ensure robust model performance.

- GitHub: https://github.com/Sagor0078/fastapi-mlops-docker-k8s

RELEVANT COURSEWORK

- Software Engineer - **HackerRank**

- Software Engineer Intern - **HackerRank**

- Problem Solving(Basic) - **HackerRank**

- Problem Solving(Intermediate) -**HackerRank**

- Python(Basic) - **HackerRank**

- SQL(Basic) - **HackerRank**

- SQL(Intermediate) - **HackerRank**

- Rest API(Intermediate) -**HackerRank**

- Machine Learning Specialization -**Coursera**

- DevOps, DataOps, MLOps - **Duke University**

- MLOps Platforms: Amazon SageMaker and Azure ML - **Coursera**

- MLOps Tools: MLflow and Hugging Face -**Coursera**

- DevOps for Network Automation (NetDevOps) - **Coursera**

- Developing AI Applications with Python and Flask -**IBM**

- Introduction to Software Engineering -**IBM**

- Applied Generative AI and Natural Language Processing - **Udemy**

- Fitting Statistical Models to Data with Python - **Coursera**

- Introduction to Containers w/ Docker, Kubernetes and OpenShift - **Coursera**

- Introducing Multimodal Llama 3.2 - **DeepLearning.AI**

MD. SAIYEDUL BASHAR

Senior Software Engineer & Computer Networking Consultant

Address: Sector No - 11, Road No - 04, House No - 33, Uttara, Dhaka
Primary Mobile No: +8801834663387 (Whatsapp Available)
Primary Email : saiyedulbas30@gmail.com
Linkedin: https://www.linkedin.com/in/saiyedul-bashar-b2405b1b0/
Github: https://github.com/saiyedulbas

Career Summary:

Experienced in spearheading technological initiatives at industry-leading organizations including Zerion Software, Hoxro Legal Management Software, SK Associates, Hoski Media, Akadimia AI. Accumulating over five years of expertise, adeptly engineered and deployed enterprise applications leveraging diverse cutting-edge technologies. Known for a track record of fostering innovation and achieving measurable results across multi-faceted tech landscapes

Special Qualification:

Software Engineer
Computer Networking Consultant
Project Manager
Tech Lead

Employment History:

Total Year of Experience : 7 yrs

Senior Software Engineer & Computer Networking Consultant (4.1 yrs) (January, 2021 - Continuing)

Teton Private Limited
Tropical Molla Tower, (5th floor) 15/1-15/4, Pragati Sharani, Dhaka. Bangladesh

Area of Expertise
Angular (4.1 yrs), Nodejs (4 yrs), PHP (4.1 yrs), AWS (4 yrs), RabbitMQ (4.1 yrs), BurpSuite (4 yr), ASP .NET MVC (4 yrs)

Duties/Responsibilities
* Enterprise Applications (IFormBuilder, ERP, E-Com, Newsroom, HRMS)
* Project Management Using Agile Methodology (Github Project Manager)
* Created Material Requirement Planning (MRP) for TetonSCM
* Implemented All Backend APIs for Newsroom Production of Sole
* Designed & Developed whole Trigger Post Action for Loadapp
* Implemented Public Link Property for Webform of IFormbuilder
* Developed systems using "Micro-Service Architecture"
* Implemented CI/CD, Deployment in EC2 & F.U.T in S3 for TetonHRMS
* Was a part of B.P.R for 3 ERP Implementations
* E-Com Modules Implemented (CM, SM, AM, UM, IM, RM, SMS, SSLCOM)
* FWs Used in V.M (Angular, Express, Nest, AngularJS, Tonic, Slim, Lumen)
* APIs Implemented for IFormBuilder (HttpCallback, Public Link, DFA Training, Form Assignment, Orphaned Media Files

Management)
* Frontend Modules for IFormBuilder (PDA, FormBuilder, Webform, FA)
* Developed APIs for Newsroom (Activity Log, BG Scheduler, Article Mgmt)
* APIs and Frontend Module Developed For Loadapp (v6, v7, v8, v8,1)
* Modules Developed for TetonSCM (Product, Contact, Purchase, Sales)
* Transition Design Pattern Used for IFormBuilder (DI, Registry DP) * Testing & Task Runner Implemented (Karma, Jasmin, Grunt)
* Endpoint Wrapper for Frontend (Slim), API Call (Factory/Service)

Delivered Projects

IFormbuilder – Zerion Software
GorillaMove – E-Commerce
Teton SCM – Supply Chain Management System

2. **Senior Software Engineer Project Lead (2.2 yrs)**
   (Feb, 2019 - Jan, 2021)

Hoxro Legal Management Software
SEL Shyamol Chaya, 38/1 Road No. 4, Dhaka 1207

Area of Expertise
SAP (ETL) (4 yrs), ReactJS (4.5 yrs), Java (4.5 yrs), GCP (4.1 yrs), MSSQL (4 yrs), GraphQL (2 yr), Vue (3.5 yrs)

Duties/Responsibilities
* Project Planner for Hoxro Legal Management Software
* Designed 6 initial Micro-services for both API and Frontend
* Split whole project into 13 strategically different parts to maintain elastic behavior
* Desgined Boiler Plate for both Front-end and API core parts
* Implemented Angular 13 on the project   * Implemented ASP .NET MVC REST API model
* Split the project into 4 Frontend Developer and 2 Backend Developer and Led the initial release
* Mysql and MongoDB used as initial DB restructuring
* AWS EC2 used for all micro-services
* S3 used for Storage
* Postman Regression Test Implemented using jenkins

Delivered Projects

Hoxro Legal Management Software - LMS

GaangChill – E-Commerce

Jr. Software Engineer (0.5 yr)
(May, 2020 - July, 2020)

SK Associates & Group
1st floor, Airport Road Super Market, 145, Dhaka 1215

Area of Expertise
Django (3 yrs), MERN (3 yrs), DEvOps (3 yrs), PostGreSQL (2.5 yrs), D3 (2.5 yrs), SequelizeJS (3 yrs), JWT (4.5 yrs)

Duties/Responsibilities
* Developed an MRP (Material Requirement Planning) Backend on MERN

* Implemented over 22 sets of APIs with Django Framework (Each set contains 5(Create, Read, Update, Delete, Copy))
* Implemented Various Modules of MRP Backend (Customer Module, Supply Chain Module, POS Module, Payment Module, Purchase Module)

Delivered Projects

Xeem – Contest Management System

4. **Web Developer (2.2 yrs)**
   (March, 2018 - April, 2020)

Fiverr

Tel Aviv-Yafo, Israel

Area of Expertise

GoLang (2.1 yrs), Azure (2.1 yrs), Wordpress Theme and Plugin Development (4.1 yrs), Gin (2 yrs), GORM (2 yrs)

Duties/Responsibilities

* Developed REST APIs with the help of GIN Web Framework (GO)

* Developed Schema with the help of GORM (GO)

* Developed an Immigration Business Management which has over 300k users by now

* Used Azure Rapid Server Platform for both CI/CD and Ticket Management

* Developed Wordpress Themes & Plugins from Scratch for Clients

Delivered Projects

Mutual Immigration – Immigration Business Management

Toy Shop – E-Commerce

TForce HRMS – Human Resource Management System

5. **Guest Lecturer on Information Technology (0.7 yr)**

(Mar, 2018 - Dec, 2018)

Noakhali Government College

New College Road, noakhali, Maijdee 3800

Area of Expertise

CompTIA (1 yr), Database Administrator (DBA) (3 yrs), Network Engineering (2 yrs)

Duties/Responsibilities

* Worked as Guest Lecturer on Information Technology Course

* Created Course Plan for Course "Computer Networking"

* Hosted classes on Networking Protocols (TCP/IP, HTTP, User Datagram etc)

Academic Qualification:

Exam Title	Concentration/Major	Institute	Result	Pas.Year	Duration
Bachelor in Engineering (BEngg)	Computer Science and Telecommunication Engineering	Noakhali Science & Technology University	CGPA:3.1 out of 4	2020	4
HSC	Science	Cambrian School And College	CGPA:5 out of 5	2015	2
SSC	Science	APSCL High School	CGPA:5 out of 5	2013	2

Training Summary:

Training Title	Topic	Institute	Country	Location	Year	Duration
Cyber Security	OWASP Top 10	Udemy	Bangladesh	Online	2019	6 months
Enterprise Level Application Development	Anatomy of 5 EAs (DB Indexing, Cron Job, Transaction Automation etc)	Coursera	Bangladesh	Online	2017	6 months

Professional Qualification:

Certification	Institute	Location	From	To
Cyber Security with OWASP Top 10	Udemy	Online	February 5, 2019	September 12, 2019

Career and Application Information:

Looking For   : Top Level Job
Preferred Job Category   : Education/Training, IT/Telecommunication
Preferred Location   : Remote

Specialization:

Fields of Specialization	Description
- PHP - Laravel - Cakephp - Zend - Phalcon - Angular - ASP .NET - VB .NET - React - Java (Spring Boot) - Next - Nodejs - Nestjs - Wordpress - Vue - Django - AWS - Azure - GCP - Golang - Gin - Flutter - OutSystems - Magento	As a Software Engineer & Computer Networking Consultant, I always made solid impact and palpable improvement to every single company or project that I have ever been involved in. Vision is the key here. Currently, I am working with "Zerion Software" as a Full Stack Developer and Tech Lead. With Zerion my current project is basically the renowned and popular AI driven Data Management Software "IFormBuilder". One of the biggest SAAS Products in the market and currently having a user base of over 3 mil premium subscribers. I was part of their development team of api v6 and v7, Post Data Action Redesigning, Webhook remodeling, transition to angular, API Remodeling, Data Cluster Restructuring. Previously with Hoxro Legal Management Software, I was part of another Enterprise Case Management Application which also has over 200k premium subscribers. And, helped them develop .NET core APIs for their initial release and initial building block of their core angular frontend. I have achieved a humongous amount of real-life working experience from various platforms like Udemy, Edureka, Simplilearn and Powercert on various topics like ICT Course Management, Software Engineering, Cyber Security, NGO and Banking Development with IT, Cloud Computing with AWS, IT Infrastructure in Bangladesh, Computer Networking, Digital Marketing, DevOps, CompTIA, Penetration Testing, Ethical Hacking, RealTime Application Development with NodeJS, Full Stack Web Development with PHP, WordPress Development etc. I have created numerous projects using various DBMS like MySQL, MongoDB, MariaDB, Oracle, Microsoft SQL Server, PostgreSQL etc. During my 5 years of journey, I have also worked with Pusher, (creating Keylogger, Malwares, Backdoors using Python), Sass, MEAN Stack, MERN Stack, JWT, C#, ASP.net, UI/UX Design, Object Oriented Programming using C++, DevOps, Web Services (REST/SOAP), WordPress Theme Customization and Development, Shopify Management etc.

Language Proficiency:

Language	Reading	Writing	Speaking
English	Professional	Professional	Professional
Bangla	Professional	Professional	Professional

Personal Details :

Father's Name	: Md. Shah Alam Khan
Mother's Name	: Ferdousi Begum
Date of Birth	: November 5, 1995
Gender	: Male
Marital Status	: Married
Nationality	: Bangladeshi
National Id No.	: 19951213314000449

Reference (s):

		Reference: 01	Reference: 02
Name	:	Mizanur Rahman Shameem	Razib Hasan
Organization	:	Teton Private Limited	Teton Private Limited
Designation	:	Vice President of Engineering, Systems	Vice President of Engineering, Software
Address	:	Tropical Molla Tower, 15/1 - 15/4, (5th floor), Pragati Sharani, Dhaka 1212	Tropical Molla Tower, 15/1 - 15/4, (5th floor), Pragati Sharani, Dhaka 1212
Mobile	:	01575798647	01931676704
E-Mail	:	mizan.shameem@tetonelectronics.com	razib.hasan@tetonelectronics.com
Relation	:	Professional	Professional

Projects (At a Glance):

IFormbuilder – Zerion Software
Teton Shop – E-Commerce
Teton HRMS – Human Resource Management System
Teton SCM – Supply Chain Management System
Hoxro Legal Management Software - LMS
GorillaMove – E-Commerce
GaangChill – E-Commerce
Xeem – Contest Management System
Mutual Immigration – Immigration Business Management

MD SHOUMIQUE HASAN

✉ shoumique@gmail.com | 📱 +88 01762 000 634
⭕ github.com/shoumique | in linkedin.com/in/shoumique

Skills

Languages: Python, Go, PHP, JavaScript, SQL

Technologies & Tools: Django, FastAPI, Odoo, AWS, EC2, Lambda, DynamoDB, RDS, S3, GCP, Compute Engine, Google Cloud Storage, Cloud SQL, Docker, Apache, Nginx, PostgreSQL, MySQL, Celery, Redis, Node.js, Express.js, Git, AI, ML

Work Experience

BJIT, Dhaka   **Aug 2021 - Present**

Senior Software Engineer   *Jul 2024 - Present*

DRIVER
- Contributed as a Backend Engineer to the DRIVER project, a World Bank initiative customized for Dhaka Metropolitan Police funded by JICA.
- Successfully automated the transformation and migration of 30 years of road incident data (1990-2020) from an MS-DOS software system into the new platform, ensuring 0% data loss.
- Developed and integrated predictive algorithms to analyze incident data, forecast danger areas, and predict red zone areas, incorporating machine learning techniques into the system.
- Overcame significant challenges in data migration, leading to a seamless transition to the new system and was rewarded with a performance bonus for the exceptional work.
- Django Rest Framework, AWS EC2, AWS RDS, GeoDjango, Docker, Celery, Redis, Angular JS, and RESTful API

BATTERY MANAGEMENT SYSTEM
- Served as the lead backend engineer for the Battery Management System, ensuring efficient monitoring, optimization, and automation of battery-related operations.
- Refactored the existing codebase to improve maintainability and performance, enhancing API responsiveness and service stability.
- Automated unit testing, increasing test coverage and reliability across multiple services.
- Designed and implemented CI/CD pipelines using AWS CodePipeline and SAM, streamlining
- Technologies: FastAPI, AWS EC2, Lambda, DynamoDB, EventBridge, AWS CDK, AWS SAM, AWS CodePipeline, Docker, Github Actions.

MEMO2 - SOUND RECOGNITION SYSTEM
- Led the backend development of MEMO2, a cutting-edge sound recognition system designed to detect and analyze sound patterns.
- Designed and implemented a scalable backend infrastructure using AWS services such as EC2, Lambda, and RDS to efficiently process and store sound data.
- Integrated Dejavu and audfprint libraries for sound fingerprinting and recognition, enhancing the system's ability to identify audio patterns accurately.
- Utilized Docker to containerize and deploy services, ensuring a flexible and maintainable architecture.
- Technologies: Django Rest Framework, AWS EC2, Lambda, RDS, Docker, Dejavu Library, audfprint Library.

ZENRIN MAP - HIGH-PERFORMANCE MAP API
- Led backend development for Zenrin Map, optimizing API efficiency and scalability for high-traffic geospatial services.
- Designed scalable API endpoints to handle high-traffic loads, ensuring smooth and fast map data retrieval.
- Implemented caching mechanisms and database optimizations to reduce latency and enhance user experience.
- Enhanced system stability and fault tolerance, ensuring reliable geospatial data services.
- Technologies: Django Rest Framework, GeoDjango, PostgreSQL (PostGIS), AWS EC2, Redis, Celery, Docker.

NDBS DATAHUB
- Collaborated with a team to develop a comprehensive automation process for seamless data migration between multiple databases and storage systems using AWS services.
- Contributed to the engineering of Step Functions with AWS Lambda to efficiently read data from Amazon RDS and CSV files, process it, and transfer it to target destinations, including other RDS tables, File System, and S3 buckets.
- Played a key role in implementing a robust system for automating file handling, ensuring that source files are processed, stored, and cleared efficiently, optimizing resource usage and maintaining data integrity.
- Worked with a range of AWS technologies, including EC2, S3, AWS Lambda, AWS Step Functions, Amazon DynamoDB, Amazon RDS, AWS CodePipeline, and GitHub, to create a scalable and reliable solution for the client.

Software Engineer *Nov 2021 - Jun 2024*

STARTUP STUDIO
- Played a crucial role in building one of Japan's largest startup ecosystems, aimed at fostering open innovation by connecting startups with large enterprises, venture capitalists, and other stakeholders.
- Achieved significant performance improvements by profiling and optimization, reducing login and signup times from several seconds to under a second for a large and active user base.
- Led efforts in cloud cost optimization, reducing the client's cloud expenditure by approximately 40% through strategic resource management and optimization.
- Focused on backend and DevOps tasks in a full-stack role, working with technologies such as Django, GCP, Compute Engine, Redis, Celery, Memcached, jQuery, Cloud SQL, Django Debug Toolbar, Silk, and cProfile.

BJIT ERP (Odoo 16)
- Customized and enhanced key modules in BJIT ERP (Odoo 16) to improve business processes and financial management.
- Improved accounting reports and introduced new features in the Payroll module, enhancing efficiency and financial accuracy.
- Implemented enhancements and bug fixes in the Attendance module, ensuring seamless tracking and reporting.
- Technologies: Odoo 16, Python, PostgreSQL, Docker.

BJIT ERP
- Led and mentored a team in developing modules for Odoo 16 and successfully migrating data from Odoo 11, tackling the challenge of significant structural changes within a tight one-month deadline.
- Developed and optimized Python scripts to efficiently migrate over 350,000 records across four key modules, ensuring data integrity and smooth transition to the new system.
- Successfully managed the complexities of the migration, delivering the project on time and significantly improving the performance and capabilities of the Odoo 16 environment.
- Utilized a variety of technologies, including Python, XML, owl.js, Redmine, and Gerrit, to achieve a seamless migration and module development process.

Trainee Software Engineer *Aug 2021 - Oct 2021*

BJIT ACADEMY
- Joined the team as a fresher and trainee software engineer, focusing on acquiring foundational skills.
- Developed soft skills such as effective communication, team collaboration, problem-solving, and time management and technical skills such as Scrum, Git, Cloud, Software Development Practices, and Software Development Life Cycle (SDLC) through various training programs programs programs programs programs.

Education

East West University, Dhaka Mar 2017 - Jun 2021
B.Sc. in Computer Science and Engineering [Award: Second Highest Distinction] ***CGPA: 3.83/4***
Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

Project Work

- **Bangla Handwritten Character Recognition Enhancement (2021):** Developed a robust system to improve Bangla handwritten character recognition by addressing outliers and class imbalances in the dataset. Proposed and implemented an Autoencoder-based model for outlier detection. Utilized Deep Convolutional Generative Adversarial Networks (DCGAN) to balance class distributions. Trained ResNet-50 classifiers on the cleaned and balanced datasets, achieving 97.95% and 97.92% test accuracy, respectively, compared to 97.63% on the original dataset. Python, TensorFlow, Keras, OpenCV.
- **Designed a Full-Fledged Network (2020):** Engineered a comprehensive network infrastructure for an organization, incorporating multiple subnets to optimize network performance and security. Implemented subnetting to ensure efficient IP address utilization and network segmentation. Configured routing protocols and network devices to support scalable and resilient network operations. Utilized tools like Cisco Packet Tracer and Wireshark for network design and analysis.
- **Prefix & Postfix Calculator (2019):** Developed a calculator application to evaluate mathematical expressions using Prefix and Postfix notation. Implemented algorithms for parsing and evaluating expressions, ensuring accurate and efficient calculations. Designed the user interface for ease of use and integrated error handling to manage invalid input. Technologies used include Python and Tkinter for GUI development.

Shanjidul Islam Sadhin

Linkedin: linkedin.com/in/sadhiin/
Github: github.com/sadhiin
Portfolio: sadhiin.github.io

Email: sadhin.aiub.cse@gmail.com
Mobile: 01746-362426

EDUCATION

- **American International University-Bangladesh** — Dhaka, Bangladesh
  Bachelor of Science - CSE — *January 2020 - December 2023*

SKILLS

- **Languages**: Python, C++, C#, JavaScript, PHP, SQL
- **Library**: Pytorch, TensorFlow, Keras, NumPy, Pandas, Scikit-Learn
- **Frameworks**: FastAPI, LangChain, Flask, Django
- **Tools**: GIT, DVC, MLflow, DagsHub, MySQL, PostgreSQL, ChromaDB, FAISS
- **Platforms**: Linux, Windows, Docker
- **Cloud-Platforms**: AWS, vLLM
- **Soft Skills**: Leadership, Writing, Public Speaking, Time Management

EXPERIENCE

- **AI Engineer — TechnyX.ai** — On-site
  (Full-time) — *December 2024 - Present*
  - Designed and architected an AI system for image generation and virtual try-on for models and clothing, enabling real-time inference with scalable deployment.
  - Lead development of advanced computer vision and multimodal AI solutions, address and solved real-world industry challenges with 98% accuracy.
  - Architected and deployed vision-language models for in-house API development, optimizing inference cost by 40% and reducing computational costs through efficient model deployment.
  - Engineered state-of-the-art computer vision algorithms and end-to-end AI applications, integrating LLMs with computer vision systems for building robust solution.
  - Collaborated with cross-functional teams to design and deploy scalable AI software solutions, ensuring seamless integration of multiple AI technologies across the platform

- **Freelancer — UpWork** — Remote
  (Part-time) — *October 2024 - Present*
  - Developed a state-of-the-art super-resolution model for image up-scaling, leveraging advanced techniques to enhance image quality and detail.
  - Modified the architecture of the "Dual Attention Transformer" to effectively upscale images from two distinct sources, ensuring optimal performance and quality.
  - Designed a robust architecture that utilizes channel-wise concatenation of images, focusing on the most efficient features to improve the overall up-scaling process.
  - Conducted extensive testing and validation of the model to ensure high accuracy and reliability in various real-world applications.
  - Collaborated with clients to understand their specific needs and provided tailored solutions, resulting in a 30% increase in client satisfaction ratings.

- **Junior AI Developer — CRTVAI** — Remote
  (Full-time) — *April 2024 - September 2024*
  - Designed and implemented the system architecture and API endpoints of an automated quality control AI application to enhance customer care services.
  - Fine-tuned speech-to-text models, deploying server-less models to minimize third-party transcription costs.
  - Improved the Voice Activity Detection pipeline and conducted a detailed analysis of speech metrics to enhance accuracy and efficiency.
  - Achieved a **25% reduction** in GPT API calling costs through strategic optimization.
  - Implemented Background task processing techniques to significantly enhance system performance and reliability.

- **Research Assistant — Internship** — On-site
  Dept: Computer Vision and Bio-Robotics (Full-time) — *Sep 2023 - Jan 2024*
  - **Research Collaboration**: Actively participated in a Computer Vision research project, leveraging my skills and knowledge to contribute to the team's success.
  - **Research Dataset**: Contributed to the creation of a research dataset containing 12,000+ labeled images, supporting future computer vision research and applications.
  - **Research and Data Analysis**: Reduced research time by 20% by implementing efficient data analysis and documentation practices.
  - **Documentation & Presentation**: Successfully presented research progress and insights to the research group and advisor, ensuring clear communication and project transparency.

Projects

- **[Chatbot] MediChat-Assistant**: Developed a medical chat-bot application using open source LLM Llama-2 7B-chat with RAG for accurate source based response, with FastAPI for user-friendly interaction and Restful API's access. **Tech-stack:** LLM, RAG, VectorDB, Python, FastAPI, Langchain (October 2024 - November 2024)   Github-Link

- **[Python Package] SpectraClassify**: Developed a web-based application to train a custom image classification model without writing code and published it as PyPI Package. **Tech-stack:** Python, TensorFlow, Flask, GitHub-Action (December 2023 - Present)   Github-Link   PyPi page

- **Kidney Tumors and Stones Classification**: An end-to-end deep learning model for classifying kidney tumors and stones from medical images, with CI/CD pipeline to ensure efficient data management and streamlined workflow. **Tech-stack:** Python, TensorFlow, DVC, Git, MLOps, DagsHub (November - December 2023)   Github-Link

- **Community Platform for AIUB Students - AIG**: Developed an ASP.Net application for the AIUB student community platform implementing SOLID principals and 3-tier architecture, which lets users create resumes, post job openings and apply for jobs with one click. The role included use-case analysis, Database designing, authentication and authorization, and other features including API endpoints. **Tech-stack:** ASP.NET, C#, Entity-Framework, Github (July - August 2023)   Github-Link

- **Real-Time Emotion Classification from Face Images**: Developed a real-time emotion classification system utilizing a custom deep learning model and Flask API. Analyzes facial expressions via webcam for high-accuracy emotion classification with a user-friendly web interface. **Tech-stack:** Python, TensorFlow, OpenCV, Flask, JavaScript, HTML, CSS, Git. (June - August 2023)   Github-Link

- **Podcast Web App (PHP)**: Developed a user-friendly podcast web application for managing and enjoying podcasts. Features include subscription management, playlist creation, and intuitive playback. **Tech-stack:** PHP, JavaScript, Bootstrap, CSS, HTML, Git (January - April 2023)   Github-Link

- **Fashion Recommendation System Using ResNet-50**: An end-to-end fashion recommendation system using ResNet-50 for feature extraction and KNN for similarity matching and image-based product suggestions, which takes an apparel image and suggests related products from inventory. **Tech-stack:** Python, TensorFlow, Numpy, Scikit-learn, Streamlit, Git, Google-Colab. (July-August 2022) Github Link

- **Chrome Dingo Clone Build with OpenGL**: A 2D Chrome Dino-like game using OpenGL(freeglut) and C++ which challenges players in a infinite horizontally scrolling background with randomly appearing obstacles to avoid them by jumping. Responsibilities including Low-level design with OpenGL, implementing game level difficulty controls, text rendering **Tech-stack:** C++, OpneGL, Git (April 2022) Github-Link

- **Hospital Management System with Multi-user Access**: A hospital management desktop application built from scratch for managing hospitals with different departments and multi-role user accessibility. **Tech-stack:** C#, .Net, MySQL, Git. (November 2021) Github-Link

Research Experience

- **[Draft] Research: A Large-Scale Action Dataset**: Tech: Python, NumPy, Pandas, Sci-kit, TensorFlow, Kears (January 2024 - Present)

- **Research: High-Accuracy Image Segmentation for Self-Driving Cars**: Tech: Python, NumPy, Pandas, TensorFlow, Kears (August 2023 - Present)

Publications

- **[Pre-Print] Thesis: Speech Emotion Recognition using Transfer Learning Approach and Real-Time Evaluation in English and Bengali Language**: Tech: Python, NumPy, Pandas, Sci-kit, TensorFlow, Kears (January 2023) Researchgate

Honors and Awards

- Dean's List Award - for outstanding academic performance. August 2023

Extra-curricular Activities

- **Problem Solving**
  Solved 800+ problems in different Online Judges. stopstalk Profile   *Feb 2020 - Present*

- **12'th National Undergraduate Mathematics Olympiad 2021 Dhaka North Region**   Dhaka
  Participate the Mathematical Olympiad   *November- 2021*

- **Hacktoberfest-2023**   Remote
  Programming Problem solving   *October 2023*
  - **Problem Discussion**: Refactor the code for improve readability, time and space complexity.
  - **Programming-Solution**: Added solution of DSA problems from LeetCode with detailed implementation approach.

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tarundatt4@gmail.com

Dhaka

tarundatta07

tarundatta07

https://www.hackerrank.com/tarun-datta07

EDUCATION

Computer Science Engineering

Green University of Bangladesh, Bangladesh, Dhaka
2020 - 2023

Diploma in Engineering

Bogura Polytechnic Institute, Bangladesh, Bogura
2015 - 2019

Secondary School Certificate

Khalidash Khali High School, Bangladesh, Rajshahi
2011 - 2015

SKILLS

- Python
- Object-Oriented Programming
- Web Development
- Django Framework
- RESTful APIs
- SQL/NoSQL Databases
- Data Structures and Algorithms
- Machine Learning
- Git Version Control

TARUN DATT

BACKEND DEVELOPER

PROFESSIONAL SUMMARY

I am a Python Developer with 3 years of industry experience in web development. I have worked on various projects related to web application development, mobile application development. I am an excellent problem solver and have the ability to work under pressure.

EXPERIENCE

● September 2022 - Now

Software Engineer

eAppar Ltd / Bangladesh, Dhaka

Developed and maintained several Python applications, utilizing various Python frameworks such as Django and Web2py. Actively collaborated with other developers to design, develop, and deploy web applications using Web and AI technologies.

● August 2021 - March 2022

Flutter Trainner

ICT Division (SDMGA Project) / Bangladesh, Dhaka

Flutter Trainner at ICT Division (SDMGA Project), Bangladesh: Gained hands-on experience in the software field while working as a Flutter Trainner for 6 months. Achieved the following:

- Designing and implementing training programs
- Design and develop Mobile Applications for Android and IOS
- State Management and API
- Firebase

● September 2019 - April 2020

Android Developer

Brain Station 23 / Bangladesh, Dhaka

Android Developer at Brain Station 23, Bangladesh (2019-09 - 2020-04): Developed Android applications for the company.

- Developed Android apps with Java
- Implemented user interface designs and developed APIs
- Maintained and troubleshot existing Android apps

YEAZULLAH AZIZ

Dhaka | +880 1783366144 | yeazullah.aziz@gmail.com
github.com/ameek | linkedin.com/in/yeazullah-aziz

PROFESSIONAL SUMMARY

Software Engineer with 6+ years of experience in system design, API development, and cloud infrastructure. Demonstrated expertise in developing scalable microservices architectures using Node.js, NestJS, and AWS/GCP cloud services. Strong background in GraphQL, REST API development, and CI/CD implementation. Proven ability to translate complex business requirements into high-performance technical solutions while adhering to Agile methodologies.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, C#, SQL, Shell Scripting
- **Backend & API:** Node.js, NestJS, Express.js, GraphQL, REST API, gRPC, Microservices Architecture
- **Cloud & DevOps:** AWS (Lambda, S3, ECS, CloudFormation, DynamoDB, RDS, API Gateway), GCP (Cloud Run, Pub/Sub, Transcoder API, IAM, Cloud Storage, Secret Manager, Artifact Registry, Compute Engine, Cloud SQL, VPC, Cloud Armor), Docker, Terraform, Infrastructure as Code (IaC), CI/CD (GitHub Actions, AWS CodePipeline)
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, BigQuery
- **Frontend:** React.js, Next.js, Ant Design, Tailwind CSS
- **Data & Analytics:** Pandas, NumPy, Scikit-learn, Data Visualization
- **Testing:** Unit Testing, Integration Testing, Jest, PyTest

PROFESSIONAL EXPERIENCE

YOUNODE | Remote (Japan)

Backend Engineer | January 2024 - Present

Pulp (Social Media Platform for Music Enthusiast)

- Architected and implemented backend services using NestJS, gRPC, and microservices architecture
- Optimized business logic and enhanced system scalability on AWS (ECS, S3, Lambda, API Gateway)
- Developed comprehensive unit tests and integration tests to ensure code reliability and quality
- Built and maintained CI/CD pipelines for automated testing and deployment processes
- Managed containerized applications with Docker for consistent development and production environments
- Utilized Infrastructure as Code (IaC) practices for managing and provisioning cloud resources

Pulp Website (pulp.mu)

- Engineered a Python-based service to collect and process users' Spotify listening history data
- Implemented AWS Lambda functions for music ID management and Spotify Preview API integration
- Developed secure cloud storage solutions using AWS S3 buckets for persistent music data
- Created automated workflows for data processing and synchronization with frontend systems

Tier App Ad Module

- Led development of three distinct ad types for in-feed application display with high performance requirements
- Designed and implemented comprehensive ad management admin interface for campaign monitoring
- Integrated Google Cloud Platform services including Transcoder API for media processing
- Utilized Google Pub/Sub for event-driven communication and ad asset management
- Deployed and maintained infrastructure using Terraform for consistent and reproducible environments

Project Management

- Created detailed Software Requirements Specifications (SRS) and technical documentation
- Coordinated with cross-functional teams to ensure alignment with project objectives
- Conducted regular status reporting and stakeholder updates to maintain project visibility

BENGUSA.PRO | Remote (USA)

Software Engineer (Full Stack) | March 2023 - December 2023

GRITe (resilience.uccs.edu)

- Designed and implemented GraphQL API endpoints for optimized data retrieval and performance
- Developed scalable backend systems using AWS, Node.js, and Next.js technologies
- Created responsive frontend applications using React.js and Ant Design component library
- Led Agile development processes to ensure on-time delivery of project milestones
- Collaborated with cross-functional teams to align technical solutions with business requirements
- Maintained code quality through rigorous testing and code review processes

PROJMANTECH / CCCC | Dhaka, Chittagong

Lead Software Engineer & Project Coordinator | June 2022 - February 2023

Bangabandhu Sheikh Mujibur Rahman Tunnel - Digital Toll Payment System

- Led development of a comprehensive digital toll payment recharge system (ETC & Smart Card)
- Gathered and analyzed business requirements from CCCC (China Communications Construction Company)
- Architected secure system design for financial transactions with data flow diagrams
- Implemented payment gateway integrations and optimized inter-system communications
- Delivered critical backend API systems for low-latency communication between dependent systems

HRM System for ProjmanTech
- Developed custom in-house HRM platform for multi-team management across different locations
- Implemented role-based policy management features for differentiated team and employee access
- Applied SCRUM methodology for efficient project execution and delivery
- Designed and implemented custom reporting solutions for management oversight

IQVIA | Dhaka

Software Engineer | October 2018 - May 2022
- Developed and implemented in-house Business Intelligence tools for analytics and reporting
- Created a platform for self-service interactive BI dashboards using single-page applications
- Built advanced data visualization solutions with interactive charting capabilities
- Implemented test automation using Sikuli, OpenCV, and Python CLI tools
- Managed infrastructure automation for continuous deployment and application packaging
- Enhanced existing PADDS products with new features using Agile methodologies

ODIN | Dhaka

Instructor (**Big Data with Python**) | October 2020 - December 2020
- Designed and delivered Python programming curriculum for data analysis and processing
- Conducted hands-on training sessions covering web scraping and data preprocessing techniques
- Developed and administered course materials and assessment methodologies
- Introduced students to fundamental machine learning algorithms and applications

WAGENINGEN UNIVERSITY | Remote (Netherlands)

Volunteer Programmer | December 2017 - February 2018
- Analyzed requirements for Environmental Migrants Management application
- Designed information flow and implemented solutions using SDLC methodologies
- Developed, tested, and refined program functionality to meet project specifications
- Served as primary technical liaison with project coordinators in the Netherlands

FREELANCE PROJECTS

DIGITAL MARKETING & WEB DEVELOPMENT | Remote (Australia)

Web Developer | January 2023 - February 2023

- Developed and redesigned websites for multiple Australian businesses including Flexible Homes and BlackSwan International
- Implemented digital marketing tools and optimized online presence for client businesses
- Provided technical support for Google Admin Panel and GoDaddy integrations
- Upgraded legacy websites to enhance marketing effectiveness and sales conversions

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EDUCATION

UNITED INTERNATIONAL UNIVERSITY | Dhaka, Bangladesh Bachelor of Science in Computer Science and Engineering

Thesis: Prediction of Lysine Malonylation using Machine Learning

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CERTIFICATIONS

- AWS Certified Cloud Practitioner (Valid until June 2024)
- Big Data Analysis - Bangladesh Hi-Tech Park Authority (2020)

COMPETITIONS & HACKATHONS

- JEEON Health Datathon (2017)
- Hackathon for Environmental Migrants (2017)
- ACM-ICPC Dhaka Regional Contest (2017, 2015)
- Sanitation Hackathon (2012)