



MD MONIR HOSSAN

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About Me

I am a highly motivated and self-driven software engineer with over 5 years of professional experience. I have hands-on experience working in microservice architecture, along with monolithic architecture, contributing to backend services and integrations. Proficient in Python, Django, DRF, NodeJS, NestJS, REST, GraphQL, gRPC, Kafka, Yugabyte, PostgreSQL, and experienced in managing scalable codebases using the Nx monorepo structure. Also proficient in Typescript, Celery, Keycloak, Docker, and GitHub CI/CD. Experienced in building scalable, maintainable systems and robust backend solutions. Passionate about enabling seamless, high-performance microservice communication.

Seeking a Software Engineer or Senior Software Engineer role where I can apply my expertise in Python/Django and Node.js to build scalable, reliable systems. Passionate about designing clean architecture, solving meaningful problems, and contributing to high-impact products using modern technologies.

LinkedIn:

[@MdMonir](#)

Github:

[@MDMONIRHOSSAN](#)

Key Skills

Advance:

Python, Django, DRF, Node js, Typescript, Nest js, GraphQL, gRPC, Kafka, Rasa, Flask, GitHub, PostgreSQL, Typeorm, Nx Monorepo.

Intermediate:

ExpressJS, MySQL, Docker, Redis, YugabyteDB, jQuery, Heroku, Bit bucket, Git Lab, MySQL, Celenium.

Primary:

React, Machine Learning, MongoDB, Angular, Web Scraping, PHP, Swift, Kubernetes.

Other Skills:

Firebase, Sendgrid, Port Wallet, AWS S3, Jira, Zoho People, Zoho Sprint, Trello, SLack, Jira.

Work Experiences

Circle FinTech Ltd (Full Time)

Sr. Software Engineer | Mar 2023 - Present

Software Engineer | Jul 2021 - Feb 2023

Circle FinTech aims to provide payment products and services for use by Banks and Financial institutions. It serves as Bangladesh's open banking enabler and payment rails provider.

Key Responsibilities

- Developed and maintained microservices using Nest.js for GraphQL, gRPC, Kafka, and REST in a distributed system.
- Focused on developing GraphQL APIs and establishing connectivity between gRPC, Kafka, and REST.
- Played a key role in crafting service logic across the stack for effective communication and robust functionality.
- Developed crucial middleware for banks and vendors, consuming external APIs and exposing APIs for streamlined interfaces.
- Worked on existing bank applications, contributing to feature development and resolving issues related to concurrency and race conditions.

Technologies: Node js, Nest js, GraphQL, Rest, gRPC, Kafka, Typeorm, Python3, Django, DRF, Celery, Keycloak, PostgreSQL, Yugabyte, Docker, DockerHub, Nx, etc.

English Essence Ltd (Full Time)

Sr. Software Engineer | October 2020 - May 2021

English Essence is a communicative English learning app with quizzes for on-the-go practice and video/audio lectures for IELTS, TOEFL, Spoken English, and Grammar.

Key Responsibilities

- Designed system architecture for seamless functionality
- Optimized database structure for efficient data handling
- Developed APIs and core business logic for the mobile app
- Built a feature-rich teacher control panel for easy management
- Deployed and maintained the full system on cloud platforms for scalability and reliability

Technologies: Python, Django, DRF, Docker, Celery, Heroku, JavaScript, SendGrid, YouTube API, Redis, Amazon S3.

Highlights

- Very good work ethics and time management.
- Able to work MAC, Linux, Windows Operating system.
- Able to work on different circumstances effectively and efficiently.
- Good troubleshooting capability.
- Very loyal to the company.
- Idea generation capability.
- Very good at writing nice & clean code.
- Good oral and writing English ability.
- Ability to take heavy workload.
- Good communication skill.
- Former Sub-Executive in NSU ACM Student Chapter.
- In charge of TECHNOVATION event that was held at NSU in 2018.
- Lead all academic projects as team leader.
- Good at building customer chatbot.
- Primary knowledge of machine learning.

Academic History

North South University, Dhaka (2015 – 2020)

Bachelor in Computer Science and Engineering (CSE)
CGPA: 3.32 out of 4.00
Major In Machine Learning (ML)
Former Sub-Executive in NSU ACM Student Chapter.

Bangladesh Navy School & College, Chittagong (2014)

Higher Secondary School Certificate (Science) GPA: 4.80 out of 5.00

Reference

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Rokomari (Project Based)

AI Base Customer Chat bot

Rokomari.com is now one of the leading e-commerce organizations in Bangladesh. It is indeed the biggest online bookshop or bookstore in Bangladesh that helps you save time and money.

Key Responsibilities

- Developed contextual AI assistants to assist customers effectively.
- Automated the entire FAQ section of Rokomari for enhanced efficiency.
- Partially automated the customer care service to expedite query resolution.
- Ensured a great user experience with quick access to relevant information.
- Connected the bot to the backend system for order status tracking.
- Enabled customers to connect to live agents seamlessly through the AI assistant.

Technologies: Facebook API, Python3, Docker, JavaScript, Rasa 1.x, Heroku.

cWork Microjob Ltd (Full Time)

Jr. Software Engineer (March 2020 – June 2020)

cWork is a versatile platform enabling the seamless employment of thousands for tasks such as data collection, surveys, and content writing.

Key Responsibilities

- Maintained and debugged a pre-existing backend system developed with Django Rest Framework.
- Added new functionality to enhance the capabilities of the backend system.
- Created and integrated new APIs into a customer Chatbot for seamless communication.
- Addressed and resolved bugs in the dashboard system, which was built using the Angular framework.
- Developed DoctorApa, a chatbot focused on disseminating accurate COVID-19 information from authentic sources.
- Provided global and country-specific COVID-19 case information, including total infected, deaths, recoveries, and daily updates, to prevent the spread of misinformation.

Technologies: Python3, Django, DRF, PostgreSQL, Heroku, Javascript, Bootstrap, Angular Js, Rasa 1.x, etc.

IOS Intern & Web Designer (Part Time)

Yoda | November 2018 - August 2019

Yoda is Bangladesh's first tech-enabled platform that connects students and teachers directly and cuts down on the middleman; be it in person, or online.

Key Responsibilities

- Designed iOS mobile applications using Swift.
- Integrated backend server APIs into iOS applications for seamless functionality.
- Developed modern web pages using HTML, CSS, and Bootstrap for an enhanced user interface.

Technologies: HTML, CSS, Javascript, Bootstrap, Swift, ios, etc.