MUSHFIQUL ISLAM CHOWDHURY

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in mushfiqul-islam-chowdhury   ○ mushfiqulIslam

PROFESSIONAL EXPERIENCE

Software Engineer

PIPELINE Bangladesh LTD

📅 05/2022 - Present   📍 Dhaka, Bangladesh

- My primary responsibilities involve writing clean and maintainable code in Golang and Python, as well as building database schemas with relational and NoSQL databases for software systems and massive data handling.
- In order to accomplish confidentiality, compliance, and cyber security, it is also part of my job to evaluate, display, and build machine learning pipelines utilizing application data, machine data, and sensor data.
- Building MLOps platform using zenML, MLflow, and Sagemaker.

Junior Software Engineer

Tirzok Private Limited

📅 06/2021 - 04/2022   📍 Dhaka, Bangladesh

- Writing and maintaining apps and modules of odoo(ERP and CRM) were my primary role. Worked with tools like RabbitMQ and Neo4j to prepare an architecture along with odoo.

Junior Software Engineer

Field Information Solutions Ltd(Field Buzz)

📅 04/2020 - 05/2021   📍 Dhaka, Bangladesh

- Writing clean and maintainable code in python, django, and postgres was my primary task. Worked on generating different types of QR code generation and automating the attendance portion with those QR codes in our SAAS project.
- I have also worked on a status monitoring client to maintain and give proper feedback corresponding to our server's status.
- Engaged in part-time employment.

PROJECTS

DatalaiQ

- Real-time data monitoring and analyzing platform to improve performance and security.
- Automating, maintaining, and building different data ingestion platforms is my main focus in DatalaiQ.

ThreatIDR

- Protective DNS, prevents malware, ransomware, phishing attacks, viruses, malicious sites, and spyware from entering the network.

MY PHILOSOPHY

I find pleasure working in the technological fields of Computer Science, where solving problems that address ongoing needs is the main concern. I would like to work with an organization that will allow me to apply all of my skills and experience.

EDUCATION

B.Sc. in Computer Science and Engineering

BRAC University

📅 01/2017 - 09/2021   CGPA: 3.5 (scale of 4)

ACHIEVEMENTS

Champion in Datathon

📅 02/2020

National level competition named MUJIB BORSHO IT CARNIVAL 2020 organized by Dhaka International University.

First Runner-up in Intra-University Programming Contest

📅 10/2018

Intra university programming contest of BRAC University organized by BUCC.

TECHNICAL SKILLS

- **Languages**: Python, Go, Java, JavaScript, Bash, SQL
- **Databases**: PostgreSQL, Neo4j, Redis, MaxmindDB
- **Frameworks and Tools**: Flask, Django, Odoo, RabbitMQ, scikit-learn, PyTorch, TensorFlow, LangChain
- **DevOps and Cloud**: Git, Docker, Nginx, zenML, MLflow, AWS
- **Other**: Jira, Redmine, LaTex

- My role in ThreatIDR is working with data analysis features of DNS traffic.

Field Buzz Sales

- A SAAS platform for sales and distribution management.
- Worked with Django, Postgres, and REST API.

Remark: Worked on QR Code Generator feature. 5000 QR codes can be generated at once with customized sizes and background images.

DGA Detection Service

- Developed a real-time Domain Generation Algorithm (DGA) detection service using machine learning to identify malicious domain activities.
- Designed and implemented the system architecture from scratch by incorporating MLOps with ZenML.

Jarvis

- An internal security intelligence and ETL platform aimed at improving threat detection and data processing efficiency.
- Designed and developed machine learning models for actionable insights, enabling automated analysis of security data streams and threat intelligence.
- Integrated GPT API for automated analysis report generation

Member

- Member is a multilevel marketing strategy-based module.
- Member module allows companies to manage and understand level-related information.
- Implemented this module with Neo4j database.
- Build this module as an addon of Odoo.

Depot

- Depot is an area-based storehouse and distributor management module for companies working with distributor systems.
- Depot allows a company to manage store-wise products, sale orders, purchase orders, and accounting management.
- Build this module as an addon of Odoo.

Wallet

- Wallet allows customers to manage their own Wallet so that they can make hassle-free payments and earn different types of discounts from their payments.
- Build this wallet module as an addons of Odoo.

Field Buzz Status Monitor

- It is used to monitor 300+ API and server URLs and helps to find issues with those URLs.
- Designed the initial model and worked on implementation.

VOLUNTEER WORK

General Secretary
BRAC University Computer Club
📅 07/2019 - 07/2020

- Arranged programming contests, student training and study assistance programs.

Coordinator of Event Management
BRAC University Adventure Club
📅 10/2019 - 10/2020

- Organized tours and hosted club fair Spring'19.

Speaker
Career with AI - Google Developers Groups, Dhaka
📅 09/03/2024

- The Location of the event was Shanto Mariam University of Creative Technology

RESEARCH

Real Time Action Recognition from Video Footage
- Thesis research work under the supervision of Md.Golam Rabiul Alam sir.
- Worked on a completely new dataset prepared by us.

REFERENCES

Apurba Narayan Singh
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✉ Senior Software Developer, Pipeline Bangladesh Ltd