

FAZLEY RABBI

Dhaka, Bangladesh | +880-16812-31269 | fazleybiswas143@gmail.com | [LinkedIn](#) | [GitHub](#) | [Leetcode](#) | [Portfolio](#)

SENIOR SOFTWARE ENGINEER

Senior Software Engineer with over **5 years** of experience in designing, developing, and deploying robust web and AI applications. Proven ability to optimize system performance, streamline development workflows, and implement scalable solutions. Expertise includes **Python, Django, FastAPI**, React.js, microservices architecture, and prompt engineering with advanced **AI models** like **Gemini Flash 2.0**. Skilled in implementing best practices such as **Factory** and **Builder design patterns** to enhance code quality and maintainability. Seeking to leverage a strong track record of delivering measurable improvements in efficiency and speed to contribute significantly to a forward-thinking company.

EXPERIENCE

Tally-khata, Dhaka, Bangladesh

Senior Software Engineer— Sep 2024 - Present

Software Engineer — Dec 2022 - Sep 2024

- Designed and implemented a new **micro-service** architecture (File service) using Fast API to improve application **performance by 20%**.
- Developed and optimized the **Ankona AI service**, leveraging the **Gemini Flash 2.0** model for Bangla text recognition and classification, significantly enhancing user instruction processing.
- Performed **prompt engineering**, including model training and rigorous accuracy testing, to refine the Ankona AI's classification capabilities.
- Built API's for onboarding services using Django Rest Framework and **RabbitMQ** to make the system more reliable.
- Implemented **Factory** and **Builder design patterns** within the onboarding application to enhance modularity, flexibility, and maintainability of features.
- Important migration script(**Celery, Celery-beat, multiprocessing**) that made the **migration** process **25% faster**.
- Implemented **CDN** using **Amazon Cloud Front** to serve files that made the process **80% faster**.
- Write test cases using **pytest** which improved the testing process **40%**.
- Refactor **React js** front-end code base from axios to **RTK query** to achieve caching mechanism and gain **20% faster response time**.

Riseup Labs, Dhaka, Bangladesh — Python Developer (Freelance Project)

May 2024 - July 2024

- Developed a Django-based backend system integrating with AWS IoT service for physical device usage analytics and reporting.
- Engineered a robust data pipeline to process and migrate over 1,000,000 daily IoT entries from MongoDB to PostgreSQL for analytical purposes.
- Implemented Celery Beat for automated, scheduled data aggregation and transfer, managing device data from three different countries and timezones.

BRAC IT, Dhaka, Bangladesh — Software Engineer

July 2022 - Dec 2022

- Develop web based **Micro finance** applications for **BRAC**.
- Integrate new features(ex: **Keycloak**) on existing **Legacy** Application.
- Important migration script that made the **migration** process **25% faster**.
- Framework & tools - **Laravel, Codignator, Yii**.

Sheba Platform Limited(sheba.xyz/ Now Polygon Technology) Daka, Bangladesh — Software Engineer

Feb 2022 - July 2022

- Develop **API's** for **sManager** mobile app on different projects and Platform ex- Accounting(**FastAPI Python**), API Project(**PHP Laravel**), Partner Project(**PHP Laravel**)
- URL shortener (Flask python)** that makes the application **25% efficient**.
- Work With **Repository, Service Design pattern** and deployment of Project in **Cloud Server**.
- REDIS** and other Service integration

LABAiD(LifePlusBD)– Dhaka, Bangladesh – *Software Engineer*

Feb 2021 - Feb 2022

- Develop the **POC(Proof Of Concept)** for a successful new approach and pattern to improve **development 20% faster**.
- Design features **System Architectures**, Develop **API** to integrate with mobile app.
- Develop web server side solution With **MVC Architecture** with **PHP, ES6**. And configure & Management of **AWS Services**.

Asiatic Optimum Services Ltd, Dhaka, Bangladesh – *JR Software Engineer*

Sep 2020 - Jan 2021

- Develop Web applications Using **MVC with PHP, Laravel Framework**. Deploy project on **VPS** server..

Advance Technology Consortium Ltd(ATCL), Dhaka, Bangladesh– *Support Engineer*

June 2018 - Aug 2020

- Provide full automation of Windows Form Application(c#, .net) support. Develop and automate the inventory, accounts, bill controlling into a compact

SKILLS & TECH STACK

- Programming Languages & Frameworks: **Python , PHP , React js, Django, FastApi, Laraavel, Flask**
- Services: **Redis, Celery, Swagger, RabbitMq**
- Server : **AWS, Bitbucket, S3, Minio, CloudFront, Nginx**
- Database: **MySql, Postgres, MongoDB**
- Tools: **Git, Jira, Docker, Slack**

EDUCATION

United International University(UIU), COMPUTER SCIENCE AND ENGINEERING, Dhaka, Bangladesh – BSc 2015 - 2019

BAF.Shaheen College, Dhaka – HSC 2012 - 2014