FAZLEY RABBI

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SENIOR SOFTWARE ENGINEER

Senior Software Engineer with **5+ years** of experience building scalable web and AI applications. Skilled in **Python**, **Django**, **FastAPI**, React.js, and **microservices**. Strong background in performance **optimization** and **prompt engineering** with models like **Gemini Flash 2.0**. Focused on delivering **efficient**, **maintainable** solutions using best practices and **design patterns**.

EXPERIENCE

Senior Software Engineer— Dec 2022 - Present

Tally-khata, Dhaka, Bangladesh

- 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 Font** 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 querry** to achieve caching mechanism and gain **20% faster response time.**

Software Engineer—July 2022 - Dec 2022

BRAC IT, Dhaka, Bangladesh

- 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 , Yi**i.

Software Engineer—Feb 2022 - July 2022

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

- 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

Software Engineer— Feb 2021 - Feb 2022

LABAiD(LifePlusBD)— Dhaka, Bangladesh

- 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.**

Associate Software Engineer— Sep 2020 - Jan 2021

Asiatic Optimum Services Ltd, Dhaka, Bangladesh

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

OTHER EXPERIENCE

Python Developer (Project Based)— May 2024 - July 2024
Riseup Labs, Dhaka, Bangladesh
- 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.

Support Engineer(Part-Time)—June 2018 - Aug 2020
Advance Technology Consortium Ltd(ATCL), Dhaka, Bangladesh
- 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),
BSC in COMPUTER SCIENCE AND ENGINEERING, Dhaka, Bangladesh — BSc 2015 - 2019