

Md. Junayed Bin Rafiq

Senior Backend & Full-Stack Engineer

I am a product-minded software engineer with 8+ years of experience- across **Fintech**, global **AdTech**, **DMS**, **Stock Intelligence** to reusable **RAG Engine**, I turn complex requirements into products people can actually use. My core strength lies in backend architecture, AI-enabled workflows, and taking ideas from concept to production.



Specialization: Python, FastAPI, Django | PHP, Laravel | PostgreSQL, MySQL, MongoDB | JavaScript, React, Vue.js | Node.js, NestJs | Redis, Docker, AWS, GIT, CI/CD | LLM integration, RAG systems | and scalable backend architecture.



Work History

May, 2024 –
Current

Senior Software Engineer Fairpattern, Dhaka (Remote)

Primarily focused on backend development while also contributing to full-stack development efforts. My key responsibilities include:

Agile Project Management: Actively participating in Agile methodologies, planning and executing two-week sprints.

Backend Development: Developing a Document Management System (DMS) using **Python and FastAPI**. Responsible for designing and implementing microservices architecture. Collaborating on platform for **Business Setup Automation (Dubai)** components involving **LLM integrations**, document intelligence workflows, RAG based assistance.

Microservices Implementation: Designing and developing microservices that handle various modules of the DMS.

Tech Stack & Tools: Python, Fastapi, Laravel, ReactJs, PostgreSQL, Redis, Kafka, Docker, JIRA, LLM Integration, Bitbucket.

Full Stack Software Developer

Eskimi, Dhaka (Bangladesh) & Vilnius (Lithuania)

Working on Global AdTech Solution to develop **DSP. Demand-Side Platform (DSP)** As a Full Stack developer, I play a pivotal role in designing and developing our DSP platform:

Development and Deployment:

Contribute in Design and planning. Implementing backend and frontend solutions, developing APIs, optimizing code base and database queries, writing unit tests, managing logs using ELK Stack, deploying updates through Jenkins.

Tech stack and tools:

PHP, Laravel, Nginx, MySQL, Redis, JavaScript, Docker, JIRA, GIT, Jenkins, ELK, SonarQube.

May,
2022 – May,
2024



Contact

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Online Portfolio

<https://junayed.pb.online>



Skills

PHP

Laravel

Python

Fastapi

Django

JavaScript

NodeJS

VueJS

January, 2019
–
April,
2022

Software Engineer
SSL Wireless, Dhaka

I was deeply involved in developing and integrating fintech solutions, playing a key role in advancing mobile banking technologies and financial services. My work primarily focused on:

Collaboration with Global Companies:

Worked on critical projects for global entities like **MetLife** Insurance and **VISA** Network.

- MetLife Insurance EFT Payment Automation:

Developed an Electronic Funds Transfer (EFT) payment automation system for MetLife Insurance.

- Virtual Card System for VISA Network:

Contributed to the development of a virtual card system for VISA, ensuring secure transactions. This involved maintaining a handshake mechanism with digital signatures and encrypting requests with hashed codes, adhering to VISA's high-security standards.

Mobile Internet Banking Solutions:

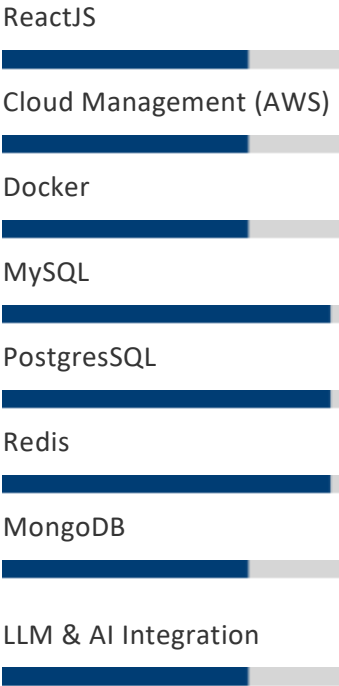
Developed mobile internet banking applications for prominent clients including **NRB** Bank, **Padma** Bank, and **SBAC** Bank. Additionally, I contributed to the development of **FastPay**; a widely used Kurdish digital wallet.

Payment Service Integration:

Successfully integrated **Bkash** and various utility services ensuring compliance with security standards. Maintained properly encrypted data facilitating the add-money integration between MFS Bkash and **IFIC** Bank.

Tech stack & tools:

PHP, Laravel, MySQL, Redis, VueJS, React, .NET Core, Supervisor, AWS services like EC2, CloudWatch and others.



December,
2017 –
December,
2018

Software Engineer
Bytelab Ltd, Dhaka

At Bytelab Ltd, my role was marked by significant growth and engagement with international clients, focusing on diverse software solutions. Key highlights include:

Diverse Project Experience:

Worked extensively on e-commerce sites, online ticketing systems, attendance system, tailoring solutions to meet the specific needs of our global clients.

Tech stack: PHP, Laravel, JavaScript, vueJS, MySQL



Accomplishments

➤ **RAG Builder — Private AI Knowledge Engine**

GitHub: <https://github.com/Jrahimin/rag-builder>

Independently Designed and built a reusable, product-ready RAG backend that enables software platforms to add private document search and AI integration through APIs.

Tech: Python, FastAPI, PostgreSQL, pgvector, Redis, Taskiq, React, TypeScript, MinIO, Docker, LLM and embedding providers

➤ **Stock Market Intelligence & Personal Finance Platform**

Live: <https://stockwealthbd.com/>

Independently developed a production-grade stock analysis and wealth-planning platform.

Tech: Python, FastAPI, Next.js, TypeScript, PostgreSQL, Redis, Docker, Nginx, Cloudflare

- Developed Enterprise **Document Management System** (DMS) using Python, FastAPI, microservice-oriented modules, document processing, and asynchronous workflows.
- Contributing to the development of a **UAE-focused Business Setup Automation** with AI-assisted service integrations.
- Developed **Mobile Banking Solutions** for **NRB Bank**, **SBAC** and **PADMA Bank**.
- Developed **MetLife Insurance** EFT payment automation.
Backend: dotNet Core. Frontend: React.
- Developed Virtual card system for **Visa Network**
- **E-Wallet** for **Kurdish** client named **FastPay Wallet**.
<https://www.fast-pay.iq/>
- Integrated **bKash Add Money/Fund Transfer** features for **IFIC Bank**.
- Developed Programmatic **AdTech Platform** for global audience.
Link: <https://dsp.eskimi.com/>
- Lead Web Application development for **Soudia** Bus Ticketing System.
Link: <https://soudiafrontend.fairpattern.xyz/>
- Developed **Online Exam System** in Laravel and VueJs.
- Developed **shop store OASIS** for a **Lithuanian** company in Laravel and VueJs.
- Developed **E-Commerce** system following microservice Architecture
- Developed **Online Scholarship Result** Management System for Chittagong **Hill Tracts Development Board**.



Education

2012 - 2017	B.SC: Computer Science & Engineering <i>Chittagong University</i>
2009 - 2011	HSC: Science <i>Chittagong Govt. City College - Chittagong</i>
2008 - 2009	SSC: Science <i>Nasirabad Govt. (boys) High School - Chittagong</i>



Certifications

- Certificate in **Web App Development** from BASIS.
- Certificate in **"Cloud journey with AWS"** from BASIS
- Completed a course on Web Design from New Horizon