

ABU AHAMED RAFI

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My portfolio website: 🌐 abuahamedrafi.com



⚙️ Technical Skills

Backend: Laravel, Django, DRF, Node.js | **Frontend:** React, Next.js, TypeScript, Tailwind CSS.

DevOps/Cloud: AWS (EC2, RDS, CloudWatch), Docker, CI/CD | **DB:** MySQL, PostgreSQL.

Core Concepts: Microservices, REST API Design, JWT, System Observability, Stripe Integration, TDD/Testing, Git.

💼 Experience

JB Connect Ltd.

Dhaka, Bangladesh

Software Engineer

March 2025 – Present

- Architected and deployed production ready SaaS applications using **Laravel, Django/DRF**, and **microservices** for scalable backend systems.
- Managed **AWS** infrastructure (**EC2, Aurora RDS, IAM**) and **Docker** containerization for continuous cloud deployment.
- Implemented observability solutions using **CloudWatch** for monitoring SLI/SLO metrics, ensuring **99.9% uptime** for critical services.
- Followed seniors in full-stack initiatives with **React, Redux, and TypeScript**, maintaining code quality through automated testing and **CI/CD** pipelines.

Computer Services Limited

Dhaka, Bangladesh

Trainee & Intern Software Engineer

Feb 2024 – Feb 2025

- Accelerated project delivery by **30%** through **Laravel** performance optimizations, caching strategies, and efficient **MySQL** query design.
- Developed and maintained **RESTful APIs** using **Laravel**, mastering **JWT** authentication, **API security**, and **MVC architecture**.
- Gained foundational expertise in full-stack development, integrating **React** frontends with Laravel backends and implementing core features like **RBAC** and user authentication.

🔗 Projects

Kouraku Transport Management System *Laravel 10, PostgreSQL, Docker, Spatie*

- Engineered a comprehensive logistics API for a Japanese firm using the **Repository-Service** pattern to ensure system modularity and testability.
- Implemented complex **multi-tenant data isolation** via Global Scopes and developed automated **PDF/Excel reporting** pipelines for enterprise logistics data.

Leather Doctor API *Laravel, MySQL, Docker, System Security*

- Designed a high-security RESTful API with specific protection against **timing attacks** (using `hash_equals`) and optimized **binary file streaming** for efficient attachment handling.
- Architected the system for **high-volume data handling**, ensuring sub-second response times for complex service management queries.

Enterprise Document & Workspace API *Django (DRF), Celery, Redis, AWS S3*

- Architected a multi-tenant SaaS backend with **granular RBAC** and real-time features using **Django Channels** (Websockets).
- Implemented asynchronous background processing with **Celery** and **Redis**, utilizing **AWS S3** for scalable and secure document storage.

Autonomous Expense Tracker Bot *🔗 Python, Gemini 2.0, Notion API*

- Developed an intelligent financial assistant powered by **Google Gemini 2.0**, utilizing **Function Calling** to autonomously query and manage expenses in **Notion** via natural language.
- Replaced rigid command-based interactions with AI-driven decision making, enabling complex budget analysis and automated data entry.

🎓 Education

Independent University, Bangladesh

B.Sc. in Computer Science and Engineering

Sep 2019 – Sep 2024

Dhaka, Bangladesh