Abu Ahamed Rafi

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My portfolio website: 🌐 abuahamedrafi.com

⚙ Technical Skills

Backend: Laravel, Django/DRF | **Frontend:** React, Tailwind CSS.
DevOps/Infrastructure: Docker, CI/CD, Linux, **AWS (EC2, RDS, CloudWatch)**.
Core Concepts: Microservices, Event-Driven Architecture, REST API Design, SLI/SLO Observability, Agile.

💼 Experience

JB Connect Ltd. Software Engineer
Dhaka, Bangladesh *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.

Computer Services Limited Junior & Intern Software Engineer
Dhaka, Bangladesh *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**.

</> Projects

Enterprise Nextcloud Migration & Customization *PHP, Linux(EC-2), MySQL(RDS)*

- Engineered a high-availability private cloud serving **18,000+ users**, Developed **custom microservices** aligned with administrative requirements, executing complex version upgrades (v24 → v27) and optimizing server configurations for production loads.
- Collaborated directly with **non technical stakeholders** to translate business requirements into custom modules, delivering tailored workflow automation features.

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

- Built a comprehensive logistics SaaS for a Japanese firm using the **Repository-Service pattern** to ensure system modularity and testability.
- Implemented **multi-tenant data isolation** and automated **PDF/Excel reporting** pipelines, solving critical data handling challenges for the client's operations team.

Enterprise SaaS & Document Workspace *Django, Redis, Celery, AWS S3*

- Architected an **Event-Driven Architecture** using **Celery** and **Redis** to handle asynchronous background tasks, ensuring non-blocking I/O for high-volume uploads.
- Deployed scalable storage solutions on **AWS S3** with granular **RBAC**, ensuring secure data access for enterprise-grade deployments.

Autonomous Expense Tracker Agent for personal use 🔗 | *Python, Gemini 2.0, Notion API*

- Developed an intelligent financial agent using **Google Gemini 2.0**, leveraging **Function Calling** to autonomously parse natural language and execute CRUD operations.
- Transformed a rigid command-based system into a conversational AI assistant, significantly improving user engagement and data entry speed.

🎓 Education

Independent University, Bangladesh Sep 2019 – Sep 2024
B.Sc. in Computer Science and Engineering *Dhaka, Bangladesh*