Mizanur Rahman

Software Engineer

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SUMMARY

Software engineer with 5+ years of experience building SaaS platforms, real-time systems, ERP and payment integrations for clients in Australia, Canada and Bangladesh. I work from system design to production across Laravel, Node.js, NestJS, React, and Next.js, using RabbitMQ and Redis for concurrency-safe processing and Docker, AWS, and CI/CD for deployment.

TECHNICAL SKILLS

Backend	PHP, Laravel, Node.js, NestJS, TypeScript, Python (FastAPI), REST APIs
Frontend	React, Next.js, Vue.js
Data & messaging	MySQL, PostgreSQL, Redis, RabbitMQ, WebSockets (Laravel Reverb, Pusher)
Cloud & DevOps	AWS, Docker, VPS servers, CI/CD with GitHub Actions, Prometheus, Grafana, Loki, Cloudflare
Integrations	Stripe (cards, Apple Pay, Google Pay), Klarna, Afterpay, Zip, Volet (crypto), Bybit API, SMS gateways, WhatsApp Cloud API
AI & agentic dev	Agentic development with Claude Code and ChatGPT; LLM API integration with OpenAI (ChatGPT) and Google Gemini, used in production for a voice-based POS
Practices	System design, concurrency-safe job processing, caching and query optimisation, repository pattern, automated testing, microservices

EXPERIENCE

Software Engineer - Ambala IT, Dhaka. Jan 2024 – Present

- Built **BlackOrigin**, a real-time trading SaaS for an Australian client that executes TradingView signals on Bybit, with a Laravel backend and Next.js frontend.
- Designed its RabbitMQ job processing with Redis locks and idempotency keys so concurrent signals never act on the same trade, and ordering checks so exit signals cannot fire before their entry.
- Integrated multi-gateway payments: Stripe (cards, Apple Pay, Google Pay), Klarna, Afterpay, Zip, and crypto through Volet; live trade status over WebSockets.
- Worked on the system design and development of the **East-West College (Canada)** LMS with Laravel and React, and ran its infrastructure: Docker on scalable AWS, CI/CD pipelines, and production servers.
- Developed the Node.js backend for **TallyBoi**, an accounting, billing, and inventory product for small businesses.
- Improved performance of a high-traffic Bangla news portal with namespaced Redis caching, PHP OPcache, N+1 query fixes, and database indexing.
- Set up monitoring with Prometheus and Grafana and centralised logging with Loki.
- Received **Best Dedicated Employee of the Year 2025**.

Software Engineer - Z IT Solutions Limited, Dhaka. Dec 2022 – Oct 2023

- Developed Laravel and Vue.js applications for enterprise clients, including:
  - **Chiklee Water Park:** ticketing system, inventory and manufacturing supply-chain management
  - **Bangladesh VAT software:** NBR-approved VAT management system
  - **Books BD:** e-commerce platform
- Set up Docker-based deployments on VPS servers with CI/CD pipelines.
- Introduced the repository pattern in Laravel and built a reusable Vue.js component library shared across projects.
- Integrated payment gateways and SMS services through REST APIs, and added real-time notifications with WebSocket and Pusher.
- Improved API performance with query optimisation, database indexing, and Redis caching.
- Led legacy code modernisation, set up the team's Git branching workflow, added automated tests, and documented APIs with Swagger.

Software Developer — Universal Technology Corporation, Feni. Mar 2021 – Nov 2022

- Built SaaS and e-commerce products with Laravel/PHP and Vue.js, including secure payment integration.
- Developed an inventory management system handling 15,000+ SKUs with real-time stock tracking.
- Built point-of-sale systems with offline support for retail clients, and REST APIs with Python and FastAPI on PostgreSQL and MySQL.

EDUCATION

BSc in Computer Science and Engineering - Southeast University, Dhaka2023 - 2026

Diploma in Computer Science - Feni Polytechnic Institute2018 - 2022

AWARDS & PUBLICATION

- Best Dedicated Employee of the Year 2025, Ambala IT
- Trust-FL: Trustworthy Federated Learning for Skin-Cancer Diagnosis. Presented at 2026 IEEE BECITHCON, Dhaka.