

AHMAD RAZA

Software Developer

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LinkedIn | GitHub | Portfolio

Professional Summary

Software Developer with 4+ years of experience building and operating healthcare, analytics, and fintech products, with hands-on ownership across backend architecture, integrations, deployments, production systems, performance optimization, and engineering delivery.

Technical Skills

Core: TypeScript, JavaScript, Java, React.js, Node.js, Express.js, NestJS, MongoDB, PostgreSQL, Redis, Kafka, Docker

Familiar: Python, Terraform, Kubernetes, AWS, Rust

Engineering: REST APIs, Webhooks, Microservices, Data Migration, Database Optimization, Event-Driven Architecture

Experience

Meta16Labs Healthcare & Analytics

Software Development Team Lead

Oct 2025 – Present

TypeScript · Node.js · MongoDB · Redis · Kafka · Docker

- Lead two engineers across feature design, development, code reviews, and delivery.
- Owned **ABDM M1–M3 integration** and deployment of supporting Dockerized microservices.
- Introduced **Kafka-based asynchronous processing** for heavy PDF generation and digital-signing workflows, improving API responsiveness and providing retry handling.
- Integrated external HIMS platforms through REST APIs and webhooks to support cross-platform healthcare workflows.
- Drive architecture decisions, production troubleshooting, deployments, and engineering planning.

Product Engineer

Aug 2024 – Oct 2025

React.js · Node.js · MongoDB · Redis · Docker · DigitalOcean

- Managed production deployments and client onboarding using Docker, DigitalOcean, and PM2.
- Supported a **100-Mobile Medical Units deployment with approximately 800 DAU**.
- Introduced **Redis caching** to reduce repeated authenticated-user database lookups and unnecessary database load.
- Built CSV-based migration scripts for master and inventory data, reducing manual client onboarding effort.
- Improved analytics performance through MongoDB indexing, query optimization, reduced cross-collection lookups, and read-optimized collections.

Software Developer Intern

Feb 2022 – Jul 2024

React.js · Node.js · Express.js · MongoDB · Redis

- Contributed to IPD workflows, primarily nursing notes and shift handovers.
- Built an end-to-end **Grievance Management System** with department-specific forms and scheduled escalation workflows.
- Delivered production features across frontend, backend, and database layers.

Freelance Experience

Full-Stack Developer – Upwork & Fiverr <i>React.js · Node.js · MongoDB · REST APIs</i>	2022 – 2024
MoneyFlock – Social Platform for Traders - Owned development across frontend, backend, database, and external integrations. - Built authentication, social feeds, engagement, articles, quizzes, courses, and related product workflows. - Integrated brokers and normalized portfolio positions and orders from multiple sources into a consistent data model. - Built portfolio dashboards, trading statistics, and content monetization workflows.	<i>Live Product</i>

Projects

LeadOps - Built a configurable, domain-agnostic lead management platform. - Designed a follow-up-driven architecture where status changes and escalations automatically generate actionable follow-ups. - Added configurable terminology and workflows to adapt the platform across different industries.	<i>NestJS · React.js · PostgreSQL · Docker · Demo</i>
SkillBook - Built a recruitment platform with a team of four during a 48-hour hackathon. - Developed features allowing candidates and recruiters to create granular skill profiles, covering technologies and specific concepts such as React, Custom Hooks, and Context API. - Enabled candidates and recruiters to compare skill profiles and calculate potential skill-match percentages.	<i>MERN Stack · 48-Hour Hackathon · 2023 · Demo</i>

Education

Jamia Millia Islamia B.Tech, Mechanical Engineering	2024
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