

MOIN UDDIN

Software Engineer | Java / Spring Boot Backend Developer

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PROFESSIONAL SUMMARY

Software Engineer with **2+ years** building scalable backend systems using **Core Java, Spring Boot, and microservices**. Delivered high-concurrency distributed applications for the **banking sector**, including a platform scaled for **HLB**, with strong **REST API design, multithreading, and performance tuning**. Experienced across relational (**MySQL, PostgreSQL**) and NoSQL (**MongoDB, Redis**) databases, **Docker** containerization, and Agile delivery.

PROFESSIONAL EXPERIENCE

Associate Software Engineer

Mar 2026 – Present

eOcean — Karachi, Pakistan

Part of the Digital Connect core team building an enterprise banking platform (scaled for clients such as HBL) for large-scale automated WhatsApp campaigns, a high-concurrency, multi-user distributed system.

- Built real-time, multi-agent live chat enabling multiple agents to handle concurrent conversations, using Redis-backed session and queue management (RedisJSON, Redisearch) to maintain live agent states.
- Automated campaign lifecycle jobs (pre-load, fire, and daily maintenance) with Quartz Scheduler, adding multi-user Pause, Resume, and Stop controls.
- Developed an asynchronous bulk contact import feature for large CSV/Excel files with real-time progress tracking via Redis, preventing UI blocking for campaign managers.
- Resolved high-impact production bottlenecks, including JVM/JDBC timezone mismatches (PKT vs UTC), AES-GCM Redis decryption failures, and MongoDB Atlas connectivity over VPN.
- Maintained legacy Spring MVC services while expanding new Spring Boot 3 microservices; built responsive campaign dashboards using React, Next.js, and TypeScript.

Tech: Java 21, Spring Boot 3, Spring MVC, Microservices, RabbitMQ, Redis, MySQL, MongoDB Atlas, Quartz Scheduler, Docker, React, Next.js, TypeScript.

Full Stack Software Engineer

Aug 2024 – Feb 2026

DevZish — Karachi, Pakistan

- Built scalable, high-performance applications across backend and frontend using Java, Spring Boot, and Angular.
- Designed advanced Spring Data JPA query methods and optimized database interactions for enterprise applications.
- Worked within a microservices architecture, improving system performance and strengthening application security.
- Debugged complex production issues across the full stack; collaborated in Agile / Scrum teams for iterative delivery.

TECHNICAL SKILLS

Languages: Core and Advanced Java, JavaScript, TypeScript, SQL

Backend and Frameworks: Spring Boot 3, Spring MVC, Spring Data JPA, Hibernate, Spring Security, RESTful APIs, Microservices, Node.js, NestJS, Express.js

Concurrency and Performance: Multithreading, Performance Tuning, Asynchronous Processing, Quartz Scheduler, RabbitMQ

Databases: MySQL, PostgreSQL (Relational); MongoDB, Redis / RedisJSON, Redisearch (NoSQL)

DevOps and Cloud: Docker (Containerization), Git, GitHub, CI/CD, Cloud Deployment, Linux

Frontend: React.js, Next.js, Angular, HTML, CSS, Tailwind CSS

Concepts: Object-Oriented Design (OOD), Design Patterns (MVC, Singleton, Factory), Data Structures and Algorithms, JWT Authentication, Agile / Scrum

EDUCATION AND CERTIFICATIONS

B.S. in Computer Science

Oct 2022 – Jun 2026

Sir Syed University of Engineering and Technology (SSUET), Karachi

- MERN Stack Certified, Saylani Mass IT Training (SMIT), 2022–2023.