

ARCHISHMAN DAS

Senior Backend Engineer | Distributed Systems | Scalable APIs | Cloud-Native

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TECHNICAL SKILLS

Languages & Core — Java (8/11/17), SQL (PostgreSQL, MySQL), JavaScript (ES6+), **Object-Oriented Design**

System Design & Backend — **Microservices Architecture, Distributed Systems**, RESTful APIs, Spring Boot, Hibernate

Infrastructure & Caching — **GCP (Cloud Run, GKE), AWS, Redis (Distributed Locking)**, Kafka, Docker, Kubernetes

DevOps & Quality — CI/CD (Jenkins), **Observability (Prometheus, Grafana)**, JUnit, Mockito, **SonarQube**, TDD

PROFESSIONAL EXPERIENCE

Senior Software Engineer

12/2025 – Present

Outsourced (Remote)

- **Architected a high-concurrency booking engine** for a cloud-native telemedicine platform, supporting **1,000+ concurrent requests** with 100% slot allocation accuracy.
- **Engineered a Redis-backed concurrency-control locking layer** to ensure transaction guarantees and eliminate double-booking in clinical workflows.
- **Optimized API latency by 40%** and reduced database read load by ~70% by implementing interceptor-based request tracing and a strategic caching layer.
- **Secured system access** by integrating **Keycloak (OIDC/SAML)** for complex role-based access control (RBAC) across three distinct user types.
- **Improved system reliability by 25%** through the development of fault-tolerant slot recovery mechanisms for failed visit state transitions.

Senior Software Engineer

07/2024 – 11/2025

Nethues Technologies Pvt. Ltd. (New Delhi, IN)

- **Scaled backend infrastructure for 10M+ users**, reducing refund processing errors and resolution time by **60%**.
- **Modernized legacy monolith to Microservices**, improving overall database performance by **35%** and enabling independent service scaling.
- **Delivered 80+ production-grade REST APIs**, achieving a **40% latency reduction** through SQL query optimization and Redis integration.
- **Enforced Engineering Excellence** by setting up CI/CD pipelines (Jenkins) and SonarQube gates, maintaining **>80% automated test coverage**.
- **Increased team velocity by 15%** by introducing AI-assisted workflows and leading technical code reviews for a team of 4.

Software Developer

2022 – 2024

Necroautomations (Noida, IN)

- **Improved response times by 20%** by refactoring Spring Boot service layers and optimizing JPA queries.
- **Boosted user retention by 40%** by collaborating on a full-stack revamp of the core product using React and Spring Boot.

KEY ACHIEVEMENTS

Analyzed a production pricing inconsistency in a high-traffic transactional system, identifying validation gaps between standard and affiliate entry points and proposing deterministic backend safeguards to ensure consistent pricing behavior.

KEY PROJECT

Scalable Telemedicine Lifecycle System

- Built a state-driven healthcare workflow integrated with OpenMRS; implemented **end-to-end** request tracing to monitor system bottlenecks in real-time.

EDUCATION & CERTIFICATIONS

Google Cloud Skill Boost

Generative AI & LangChain on Vertex AI (2025)

Java Backend Development

2022 | Bangalore, IN

Masai School (7-month / 1000+ hour immersive program)

B.Com (Computer Applications Minor)

2019 – 2022 | Gujrat, IN

Sabarmati University (Grade A)