






RANJAN JHA

 ranjanjha95@gmail.com |  9590897651 |  Varthur, Bangalore, India – 560087
 [LinkedIn](#) |  [GitHub](#)

PROFESSIONAL SUMMARY

Backend Engineer and Architect with 12 years of experience building secure, scalable, cloud-native microservices using Java, Spring Boot, Node.js, and Python. Experienced in designing distributed systems, real-time data pipelines, and high-throughput backend platforms. Skilled in CI/CD, DevSecOps, TDD, and container orchestration using Docker and Kubernetes. Lead architectural design, mentor engineers, and deliver performance-optimized, secure systems for business-critical applications.

TECHNICAL SKILLS

- **Languages:** Java, Python, C#, Node.js, JavaScript
 - **Frameworks:** Spring Boot, REST APIs, Microservices, Keycloak, React (basic)
 - **Cloud Platforms:** AWS, GCP
 - **DevOps Tools:** Docker, Kubernetes, Helm, GitHub Actions, Jenkins
 - **Data Engineering:** Apache Kafka, Spark, Flink, NiFi, Airflow
 - **Security:** OAuth2, JWT, SSO with SAML and OIDC protocols
 - **Monitoring & Observability:** Prometheus, ELK, Grafana
 - **Databases:** PostgreSQL, MySQL, MongoDB, Cassandra, ScyllaDB, Redis, Elasticsearch
 - **Build Tools:** Maven and Gradle, npm
 - **Development Practices:** TDD, Clean Code, SOLID, Design Patterns, CQRS, CI/CD
 - **Other:** System Design, Architecture Patterns, GenAI, LangChain
-

PROFESSIONAL EXPERIENCE

Reliance Jio – Lead Software Developer

Mar 2020 – Present

- Spearheaded architecture of a distributed IoT platform processing 20M+ daily transactions with high availability and real-time data streams.
- Replaced Cassandra with ScyllaDB, improving latency 5x and optimizing throughput and decreased our P99, P999, and P9999 by 80%.
- Built reusable sensor onboarding framework, cutting integration time from days to hours.
- Served as Software Architect for an internal P2P Energy Trading Platform in Node.js; designed custom matching logic and integrated IEX/IndiaGrid APIs.

- Collaborated across functions to align backend with SLAs and product goals.
- Integrated Keycloak-based SSO with OIDC and role-based access.
- Implemented automated CI/CD pipelines using GitHub Actions and Terraform.
- Conducted peer code reviews, mentored junior engineers, and led design discussions.

Eka Software Solutions – Lead Software Engineer

Oct 2018 – Feb 2020

- Developed Spring Boot-based Master Data microservices, reducing redundancy by 35%.
- Implemented Eureka for service discovery and Kibana dashboards, reducing microservice discovery issues and cutting debug time by 50%.
- Promoted test-driven development and CI adoption.

Xoriant Solutions – Senior Software Engineer

May 2017 – Sep 2018

- Created a DocuSign simulator for SAP Ariba; automated digital signing workflows and cut contract processing time by 2 days.
- Improved backend response time by 60% by profiling bottlenecks, introducing Redis caching, and refactoring critical service layers.

RASP Software Solutions LLP – Senior Software Engineer

May 2016 – May 2017

- Developed a real-time multilingual document translation system in .NET.
- Reduced cost by 40% and improved translation speed by 70%.

ContinuServe Softech – Technical Analyst

Jul 2013 – May 2016

- Automated Excel/Outlook reporting workflows with VBA and WPF.
- Eliminated the 100% manual reporting efforts and improved report accuracy.

EDUCATION

- **B.E. in Electronics & Communication**, Sapthagiri College of Engineering, Bangalore (2008–2012)
- **Intermediate (PCM)**, Bihar Intermediate Education Council, Patna (2008)
- **Matriculation**, Bihar School Examination Board, Patna (2005)

CERTIFICATIONS

- Kubernetes for Developers – Udemy
- AWS Certified Solutions Architect – Associate (*Expected: Aug 2025*)

- Robotics using Arduino
 - GenAI & LangChain – Reliance Jio Internal Training
-

AVAILABILITY

- **Location:** Bangalore – 560087
 - **Notice Period:** 30 Days
 - **Available for F2F Interview:** Yes
-

ACHIEVEMENTS & AWARDS

- 🌟 Star Performer of the Year Award for 2022–23
- 🏆 Learning Champion Award for the innovation– <https://www.linkedin.com/posts/activity-7351694690284404736-DxmR>
- 🎉 Completed 5 Years of Service – <https://www.linkedin.com/posts/activity-7355095769743245312-RbY1>