RANJAN JHA  
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**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