

Dear Hiring Manager,

I am writing to express my strong interest in the Senior Backend Engineer / Software Development Engineer position at your organization. With over five years of professional experience architecting distributed systems, microservices, and cloud-native infrastructure at scale, I am confident in my ability to contribute significantly to your engineering team and drive technical excellence.

Throughout my career at Citi and Capgemini, I have demonstrated consistent expertise in designing and implementing high-performance, fault-tolerant systems that process millions of transactions daily. At Citi Commercial Banking, I spearheaded the development of critical infrastructure powering enterprise banking solutions:

- Architected distributed caching systems using Hazelcast, reducing API latency from 500ms to under 10ms and improving system resilience during peak loads handling over 10,000 concurrent requests
- Designed and built Kafka-based event-driven pipelines enabling reliable data synchronization across microservices, reducing manual reconciliation efforts by 60 percent
- Implemented resilience patterns using Resilience4j including circuit breakers and retry mechanisms, preventing 98 percent of cascading failures during production incidents
- Engineered distributed job coordination using ShedLock across 5+ horizontally scaled service instances, ensuring single-execution guarantees and enabling configuration-driven runtime management without service restarts
- Led cloud infrastructure migration of multiple systems to OpenShift Clusters with auto-scaling optimization, reducing costs by 35 percent while improving deployment agility
- Designed and deployed Rippler, an AI-powered internal platform for code impact analysis, reducing manual code review time by 40 percent through LLM-based dependency detection
- Spearheaded Trade E-loans digitization initiative, increasing digital adoption by 45 percent and driving 30 percent growth in loan origination

Beyond core backend engineering, I have demonstrated strong full-stack capabilities and architectural thinking. I independently owned the end-to-end development of UserManagement Pulse, a React frontend with Java microservices backend serving 500+ internal users. I also contributed to DevOps and infrastructure automation, implementing CI/CD pipelines with Jenkins and GitOps practices.

My technical ecosystem includes Java 21, Spring Boot, Spring Cloud, Apache Kafka, Hazelcast, Resilience4j, PostgreSQL, React, TypeScript, Google Cloud Platform, Oracle Cloud, Kubernetes, and Docker. I am proficient in system design, microservices architecture, event-driven design patterns, and distributed computing principles. Beyond code, I have mentored junior engineers on distributed systems concepts and contributed to organizational knowledge through comprehensive technical documentation using Docusaurus.

What excites me about the opportunity at your company is the chance to apply my expertise in building scalable, reliable systems within a team that values technical excellence, innovation, and collaboration. I am particularly drawn to roles focusing on distributed systems, system design, and cloud-native architectures. I thrive in environments where I can contribute to architectural decisions, mentor team members, and drive measurable business impact through engineering excellence.

I would welcome the opportunity to discuss how my experience in building production-grade distributed systems, my passion for clean architecture, and my commitment to technical leadership can contribute to your team's success. Thank you for considering my application. I look forward to the possibility of connecting with you soon.

Sincerely,

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