Cassandra Silva

Senior Backend Engineer
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SKILLS

Java • Spring Boot • Kafka • Redis • Microservices • REST APIs • PostgreSQL • Kubernetes • Docker • CI/CD • Observability • Distributed tracing • Event-driven architecture • Test automation

EXPERIENCE

Senior Software Engineer, Platform — NovaPay
January 2024 – Present
Led design and implementation of a scalable, event-driven payments platform using Java Spring Boot and Kafka. Implemented Redis caching to reduce read latency by 45% and introduced a real-time data pipeline with Kafka, enabling near real-time settlement. Drove reliability improvements with circuit breakers and structured logging, reducing incidents by 40%.

Senior Backend Engineer — FinBridge Technologies
March 2021 – December 2023
Built microservices in Java Spring Boot for cross-border payments with Kafka-based event communication and Redis caching. Implemented distributed tracing and fault tolerance, reducing mean time to recovery by 60%. Led migration to containers on Kubernetes and established CI/CD pipelines, accelerating delivery and reducing lead time by 25%.

Software Engineer II — PayLink Systems
July 2018 – February 2021
Developed backend services in Java/Spring Boot and integrated Kafka streams for real-time processing. Optimized PostgreSQL queries, increasing throughput by 2x and reducing latency by 25%. Implemented unit/integration tests and Dockerized services to streamline deployment.

Software Engineer — CashFlow Labs
June 2016 – June 2018
Contributed to core fintech API with RESTful services using Java/Spring Boot. Implemented Redis cache for session management, reducing response times by 20%. Participated in on-call rotations and introduced monitoring with Prometheus and Grafana.

EDUCATION

Bachelor of Science in Computer Science
University of Chile
Graduated: 2010