Madhankumar Kalviselvam

Backend Engineer (Go | Java | Kafka | Kubernetes) | Loyalty & Fintech Systems | 12+ Yrs Experience

Berlin, Germany

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Professional Summary

Senior Backend Engineer with 12+ years of experience building scalable, high-performance microservices and distributed systems in fintech and e-commerce domains. Expertise in Golang, Java, Kotlin, Kafka, and cloud-native tools like Kubernetes and AWS. Proven track record in delivering business-critical features such as GDPR compliance, KYC orchestration, and loyalty systems. Passionate about clean architecture, TDD, and mentoring.

Key Achievements

- Built and deployed loyalty engine services at HelloFresh impacting 1M+ users with a 22% improvement in discount conversion.

- Automated GDPR user data deletion at N26, reducing manual processes by 80% across organization for 20+ repositories.

- Replaced SQS with Kafka for KYC event orchestration using an at-least-once delivery mechanism, resulting in a 35% reduction in error rate, 20% drop in messaging costs, and improved end-to-end reliability for onboarding workflows.

- Mentored junior engineers and promoted engineering best practices through pair programming and TDD.

Work Experience

Backend Engineer (L4)

HelloFresh SE, Berlin, Germany

May 2024 - Present

- Designed and developed discount settings API and customer attribute publishing using Golang, Postgres, Kafka.

- Implemented a cron job pipeline to trigger customer attribute events for beta loyalty program, improving engagement metrics by 22%.

Backend Engineer (L3)

N26, Berlin, Germany

May 2022 - April 2024

- Led the orchestration of KYC workflows using Java, Kotlin, Kafka, reducing data sync latency by 40%.

- Automated GDPR compliance to delete user data with consent, cutting manual cleanup by 80%.

- Developed microservices for user/account management and integrated event-driven architecture.

Senior Application Developer

ThoughtWorks, Hyderabad, India

Nov 2021 - Mar 2022

- Developed and maintained backend services for GAP retail systems using Java and XP practices.

- Improved SKU inventory update latency by 30% using TDD and refactoring techniques.

Software Engineer

JP Morgan Chase & Co, Hyderabad, India

Apr 2020 - Nov 2021

- Part of Global Tech Infrastructure team managing fees and compliance systems.

- Implemented APIs and automation scripts to streamline financial workflows.

Senior Software Engineer

Altimetrik India Pvt Ltd, Hyderabad, India

Dec 2019 - Mar 2020

- Contributed to core banking app enhancements for DBS Bank using Spring Boot and Microservices.

Developer Lead

Skava Systems Pvt Ltd, Coimbatore, India

Jan 2012 - Nov 2019

- Developed 5+ core e-commerce microservices including cart, list, tax, and shipping modules.

- Customized open-source reconciliation system for Infosys logistics, improving processing time by 50%.

Skills

Languages & Frameworks: Golang, Java 8-17, Kotlin, Spring Boot, Spring Security, Hibernate, Lucene, jOOQ

Tools & Platforms: Kafka, RabbitMQ, Docker, Kubernetes, AWS, GitHub Actions, ArgoCD, Datadog, OpenSearch

Databases: Postgres, MongoDB, Oracle

Practices: Microservices Architecture, TDD, CI/CD, REST API Design, Concurrency, XP Programming

Education

Master of Science in Computer Science

PSG College of Arts and Science, Coimbatore | 2010 - 2012 | 83.6%

Bachelor of Science in Information Technology

PSG College of Technology, Coimbatore | 2007 - 2010 | 9.54 CGPA

Languages

English (Fluent), Tamil (Native), Hindi (Conversational)