RAKSHAK D S

📍 Bengaluru, India | ✉ contact@rakshak.dev | LinkedIn

🌐 Portfolio | GitHub

SOFTWARE ENGINEER – BACKEND / DISTRIBUTED SYSTEMS

Microservices • Event-Driven Systems • Banking & Supply Chain Finance

Backend engineer with 5+ years of experience working on backend platforms for banking and supply-chain financing. Experience includes microservices, messaging-based systems, financial integrations, and production operations. Currently involved in technical leadership, contributing to architecture decisions, implementation, and coordination across engineering, product, operations, and client teams.

CORE COMPETENCIES

- Backend & Distributed Systems (Microservices, Event-Driven Architecture)
- Financial Systems & Banking Integrations
- API-First Design & System Integration
- Performance Optimization & System Modernization
- Production Operations & Reliability

TECH STACK

- **Languages:** Kotlin, Java, Python, Go
- **Build & Tooling**: Gradle
- **Containerization**: Docker
- **Messaging:** NATS, SQS
- **Frameworks:** Apache Camel, Ktor
- **Datastores:** MySQL, DynamoDB, RDS
- **Cloud (AWS):** EC2, ECS, ECR, S3, Lambda, CloudWatch
- **Architecture:** Microservices, Event-Driven Systems, CQRS, Async Processing, Idempotent APIs

PROFESSIONAL EXPERIENCE

Vayana Network Services Pvt Ltd — Remote

Software Engineer / Senior Software Engineer | Mar 2020 – Present

- Built and evolved backend microservices for a supply-chain financing platform enabling financing workflows between banks and MSMEs.
- Designed and implemented a new reporting engine by introducing schedule orchestrator leveraging nats replacing a legacy implementation and improving report generation performance and resource efficiency.
- Replaced API-based inter-service communication with an event-driven messaging model, reducing service coupling and improving scalability and operational stability.
- Introduced event-driven workflows for backend processing, including reporting triggers, cache updates, and cross-service coordination.
- Designed and implemented in-memory cache update mechanisms driven by events to minimize synchronous dependencies.
- Built a shared backend synchronization layer for master and configuration data across services, reducing repeated API calls and cross-service chatter.
- Implemented multi-factor authentication to support single sign-on across multiple products.
- Developed and maintained REST APIs for financial workflows involving banks, buyers, and MSMEs.
- Delivered and supported bank integrations using integration frameworks, handling protocol adaptation, transformations, and operational requirements.
- Worked across loan, trade, and supply-chain financing domains, contributing to core backend services.
- Supported production systems through performance tuning, deployments, monitoring, and incident resolution.

EARLY CAREER

BridgeLabz Solutions — Bengaluru

Software Engineering Fellowship | Sep 2019 – Feb 2020

- Strengthened foundations in data structures, algorithms, and system design.
- Built full-stack applications using Java, Spring Boot, Hibernate, React, and AWS.

EDUCATION

B.E. Mechanical Engineering - SEA College of Engineering & Technology, Bengaluru - 2017