

# Akshay Memane

Senior Backend / Platform Engineer

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## Professional Summary

Senior Backend/Platform Engineer with **9+ years** of experience designing and scaling high-traffic, distributed systems across insurance, banking, and payments domains. Specialized in **event-driven microservices**, system modernization, and backend platform ownership at scale.

**Proven track record:** Leading 6–8 engineers, driving architectural migrations (sync → async), improving system reliability and latency, and enabling business-critical workflows used by millions of users. Strong focus on clean architecture, operational excellence, and mentoring engineers in high-impact teams.

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## Core Expertise

- **Backend & Platform Engineering** — Distributed systems at scale
  - **Event-Driven Architecture** — Kafka-based async workflows
  - **System Design & Scalability** — From thousands to millions of requests
  - **Technical Leadership** — Cross-functional team management (6-8 engineers)
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## Technical Skills

**Languages:** Java (Primary), Go, TypeScript, Python

**Backend & Architecture:** Spring Boot, Microservices, REST & Async APIs, Apache Kafka, Event Streaming, BPMN/Workflow Orchestration (Flowable, Camunda)

**Cloud & DevOps:** AWS (EC2, RDS, S3), Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions)

**Data & Observability:** PostgreSQL, MySQL, MongoDB, Datadog, Prometheus

**Frontend:** React, Angular, TypeScript

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## Professional Experience

**Lead Software Engineer - Platform | Allstate, Pune**

*September 2022 – Present*

**Project:** Core insurance platform modernization serving millions of users across critical life-event workflows.

**Key Achievements:** - **Platform Ownership:** Led backend architecture for life-event correction and change-agent workflows, impacting **millions of insurance policies annually**

- **System Migration:** Drove architectural transformation from synchronous REST services to **asynchronous Kafka-driven event pipelines**, improving scalability and reducing peak-traffic latency
- **Event Architecture:** Designed event contracts and service boundaries to decouple legacy systems, enabling **independent deployments** and safer releases
- **Process Automation:** Orchestrated complex business workflows using **Flowable BPMN**, eliminating manual processing and reducing operational effort by **~40%**
- **Team Leadership:** Mentored and guided **6–8 engineers** through design reviews, production incidents, and architectural trade-offs
- **Reliability Engineering:** Enhanced observability using **Datadog** dashboards and alerts, cutting unresolved incidents by **~50%**

**Technologies:** Java, Spring Boot, Apache Kafka, Flowable BPMN, Datadog, Microservices, Event-Driven Architecture

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### Senior Software Engineer | Coditas, Pune

*February 2021 – September 2022*

**Project:** Hyve Group – Global events company requiring scalable systems for high-traffic event management workflows.

**Key Achievements:** - **High-Traffic Systems:** Scaled backend services for global event-management platform handling **thousands of concurrent users** during peak events

- **Real-Time Architecture:** Designed **Kafka-based data pipelines** to support real-time updates and reduce data latency across distributed systems

- **Cross-Team Leadership:** Served as technical point-of-contact, aligning backend architecture with product and frontend requirements

**Technologies:** Java, Spring Boot, Apache Kafka, Microservices, Real-time Systems

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### Senior Software Engineer | Cybage, Pune

*July 2019 – February 2021*

**Project:** Worldline – Global payment service provider requiring robust backend systems for high-volume transaction processing.

**Key Achievements:** - **Payment Systems:** Enhanced system scalability for global payments platforms by integrating **Kafka queues** with core payment microservices

- **High Throughput:** Enabled **real-time processing** of high transaction volumes through event-driven architecture

- **Full-Stack Collaboration:** Worked with Angular-based frontend teams for seamless, scalable customer experience

**Technologies:** Java, Spring Boot, Apache Kafka, Angular, Payment Systems, High-throughput Architecture

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### Software Engineer | Tech Mahindra, Pune

*August 2016 – July 2019*

**Project:** rPDB (British Telecom) – Legacy system modernization transitioning to scalable, maintainable solutions.

**Key Achievements:** - **Legacy Modernization:** Migrated batch and synchronous processing systems to **event-driven architectures** using Spring Boot and Kafka  
- **Performance Optimization:** Contributed to critical API improvements, achieving **30% reduction in response time** and enhanced system reliability

**Technologies:** Java, Spring Boot, Apache Kafka, Legacy System Migration, API Optimization

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## Leadership & Impact

- **Team Management:** Led cross-functional teams of **6–8 engineers** across backend, frontend, and DevOps for large-scale platform modernization
  - **Architectural Leadership:** Drove migration from synchronous REST to **Kafka-based asynchronous workflows** at enterprise scale
  - **Engineering Excellence:** Established TDD, CI/CD pipelines, observability practices, and incident response processes
  - **Mentorship:** Guided senior and junior engineers through design reviews, code quality improvements, and architectural decisions
  - **Business Impact:** Reduced operational overhead by **40%** and improved system reliability by **50%** through strategic architecture improvements
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## Education

### Bachelor of Engineering in Information Technology

University of Pune | *July 2013 – May 2016*

### Diploma in Information Technology

PDEA's Institute of Technology, Pune | *July 2010 – May 2013*

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## Currently Pursuing

- **FAANG Interview Preparation:** System Design & Data Structures/Algorithms (LeetCode)
  - **Target Roles:** Staff Software Engineer, Principal Engineer
  - **Target Companies:** Google, Amazon, PayPal, Agoda, Meta, Netflix
  - **Personal Projects:** AI Assistant (Raspberry Pi), Solar Analytics Dashboard
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*Available for Staff/Principal Engineering opportunities at top-tier technology companies*