

SAGAR AHER

Senior Backend Engineer (Java, Microservices, AWS, AI Integration)

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Professional Summary:

Senior Software Engineer with **6+ years of experience** designing, building, and scaling **high-availability backend systems** using **Java (8–21), Spring Boot, Microservices, Kafka, and AWS**. Proven expertise in **event-driven architectures**, cloud-native deployments, and **AI/LLM-powered backend workflows**. Strong ownership mindset with experience delivering **enterprise-grade platforms** in telecom, banking, and automotive domains, with a focus on **performance, reliability, and production stability**.

Specialties: Backend-heavy microservices, Event-driven systems, AWS cloud-native platforms, Kafka & async processing, AI/LLM integrations, Production reliability

Core Technical skills:

Languages & Backend: Java, Python, Spring Boot, Spring Cloud, Hibernate, JPA, REST APIs, OAuth2

Architecture & Design: Microservices, Event-Driven Architecture

Cloud, DevOps & Messaging: AWS, Docker, Kubernetes, Jenkins, Terraform, GitHub Actions, Apache Kafka, AWS SQS

Databases & Protocols: MySQL, PostgreSQL, MongoDB, HTTPS, WebSocket, SIP, SDP, RTP

Monitoring, Tools & AI: Datadog, Grafana, Postman, IntelliJ IDEA, Spring AI, LLM APIs, embeddings, vector stores, tool/function calling

Professional Experience:

Capgemini

Senior Backend Engineer | April 2023 – Present

Project: Bandwidth (Telecommunication Domain)

- Designed and developed **Java/Spring Boot microservices** powering SIP-based orchestration for enterprise-grade programmable voice platforms, handling **high-volume, real-time call events**.
- Built **event-driven backend systems using Apache Kafka**, enabling real-time workflows with high availability, fault tolerance, and horizontal scalability.
- Developed **REST APIs** supporting real-time audio streaming, speech recognition, and transcription pipelines.
- Implemented **AI/LLM-powered backend workflows** for conversational automation and intelligent call routing, enabling AI-assisted voice interactions.
- Migrated applications from **OpenShift to AWS**, improving performance and reducing infrastructure cost **by 40%**.
- Developed and optimized **Docker images** and deployed services via automated CI/CD pipelines.
- Actively resolved **production issues**, improved system reliability, and supported stable enterprise releases.
- Contributed to **system design decisions**, including service boundaries, async workflows, and data flow patterns for real-time voice processing.

Ness Digital Engineering

Software Engineer | *April 2022 – December 2022*

Project: Lentra.ai (Banking domain)

- Developed and deployed **RESTful APIs** for a Loan Management System using **Spring Boot, Java 8, and JPA**.
- Designed **event-driven webhook APIs** to notify external systems of real-time loan status changes, improving partner integrations.
- Integrated microservices with **AWS services (EC2, S3, API Gateway, Lambda)** and **MongoDB**, ensuring high availability and performance.
- Improved backend code quality through **refactoring, unit testing (JUnit, Mockito)**, and static analysis, reducing regression defects.

Accenture

Software Engineer | *January 2020 – March 2022*

Project: Volkswagen (Automobile domain)

- Developed **Spring Boot backend services** implementing core business logic and REST APIs for enterprise applications.
- Key contributor to the **Automation Team**, designing and developing an **incident-response automation bot** using Spring Boot and Twilio APIs.
- Reduced production response time by **~30%** through backend automation and alert-driven workflows.
- Worked on **full-stack features**, integrating **React.js** frontends with backend services.
- Improved backend performance using **caching strategies and query optimizations**.

Education:

Bachelor of Engineering – Electronics & Telecommunication

Sandip Institute of Technology & Research centre, Pune University (SPPU), Nashik | 2019

CGPA: 7.78

Certifications

AWS Certified Solutions Architect – Associate

Awards

- SPOT Award – Capgemini
- WOW Award – Capgemini
- Recognition Award – Accenture
- Captain's Award – Accenture
- Automation Expert Award – Accenture