

Ajit Goud

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SUMMARY

Java Backend Engineer with 5.6+ years of software engineering experience across enterprise applications, backend services, data processing, and real-time systems. Experienced in building Spring Boot REST APIs, payment middleware, and data-processing pipelines, with expertise in Java, Spring Security, JPA/Hibernate, PostgreSQL, and distributed systems. Hands-on experience with Kafka, Redis, Docker, and Kubernetes.

SKILLS

Languages : Java, Python, SQL

Backend : Spring Boot, Spring MVC, Spring Security, JPA/Hibernate, REST APIs, Microservices, WebSockets

Data & Messaging : PostgreSQL, Redis, Kafka, RabbitMQ

DevOps : Git, Docker, Docker Compose, Kubernetes, Jenkins, GitHub Actions, AWS (basic)

Concepts : System Design, Distributed Systems, Concurrency, Idempotency, Outbox Pattern, DSA

Real-time & AI : LLM APIs (OpenAI, Groq), RAG, Tool Calling, AI-assisted development

Testing : JUnit 5, Mockito, Testcontainers, integration testing

PROJECTS

Drawspace – Canvas Editor

GitHub

Java 21, Spring Boot, Spring Cloud Gateway, Spring Security, PostgreSQL, Flyway, Docker; Next.js

- Designed a multi-service backend comprising authentication, canvas, and asset services, with Spring Cloud Gateway handling JWT validation and rate limiting.
- Implemented authenticated canvas CRUD operations, ownership checks, database migrations, and public read-only sharing links.
- Integrated a Next.js/Fabric.js editor with backend APIs for saving canvases, exporting images and JSON, and sharing content.

EXPERIENCE

NeoSOFT Pvt. Ltd.

Feb. 2024 – Jul. 2026

Software Engineer

Mumbai, India

- Implemented the authentication module using Spring Security and JWT, securing backend APIs and managing token-based authentication for application requests.
- Implemented Redis-based API rate limiting to control request traffic and integrated Swagger for REST API documentation.
- Containerized backend services using Docker and handled deployments on AWS, ensuring consistent environments and smooth releases.
- Built the voice-to-voice AI interaction flow using OpenAI and Groq APIs, implementing end-of-speech detection with amplitude-based audio analysis before integrating Silero VAD for more reliable speech detection.
- Implemented real-time video streaming from smart glasses using LiveKit and configured the backend to generate access tokens for secure streaming sessions.
- Developed an AI-powered visual question-answering workflow that combined camera screenshots with voice input, processed the request through AI services, and returned an audio response in real time.

SuperUs Systems Pvt. Ltd.

Senior Software Developer

Dec. 2022 – Nov. 2023

Mumbai, India

- Built an end-to-end Electronic Shelf Label (ESL) template platform using Spring Boot and REST APIs for template creation, editing, import, export, and persistence, integrated with a ReactJS and Fabric.js canvas editor. Implemented reusable, tag-based dynamic templates that allowed the same design to serve multiple users with runtime data binding.
- Developed Java middleware for real-time UPI payments, generating dynamic QR codes from transaction details and transmitting them to QR devices over serial communication. Managed transaction and device states across initiation, success, failure, and idle states.
- Developed REST APIs and backend workflows for ESL management and digital-signage platforms, supporting content management, scheduling, and delivery of images, videos, and web content across devices.

Tata Consultancy Services

Assistant System Engineer

Jan. 2021 – Dec. 2022

Mumbai, India

- Worked on large-scale data processing using Spark, validating model outputs and ensuring new model versions performed as expected before promotion to higher environments.
- Built a Flask and Jinja2-based portal to automate model-testing workflows, reducing manual effort and introducing process improvements that saved approximately CAD 3,000 annually.
- Used Docker and Kubernetes to support application containerization and deployment, helping maintain consistent application environments across development and production.
- Worked with Jenkins CI/CD pipelines and AWS-based environments to support application deployments, streamline release workflows.
- Owned and maintained a production reporting platform generating 200+ reports daily, taking responsibility for job monitoring, production issue resolution, and ensuring reliable, on-time report delivery.

ACHIEVEMENTS

Smart India Hackathon 2019: Winner, National Software Edition | **NPTEL:** Database Management, Distinction
Merit Scholarship: INR 80,000 annually for five consecutive years | **Mentor:** Atharva Hackathon

EDUCATION

University of Mumbai

Bachelor of Engineering in Computer Science

Jul. 2016 – Oct. 2020

Mumbai, India