ANKIT KATOLE

+91 9307512981 | katoleankit06@gmail.com | Nagpur, Maharashtra, India
linkedin.com/in/ankitkatole | github.com/ankitkatole | leetcode.com/u/ankitkatole

SUMMARY

Backend-focused Software Engineer with hands-on experience building **REST APIs** and **microservices** using **Java** and **Spring Boot**, backed by full-stack delivery across the **MERN stack**. Experienced with **Java 8 (Stream API, Lambda Expressions, Functional Interfaces)**, Spring Security, **JWT authentication**, MySQL, and **Apache Kafka**, with practical exposure to integrating **LLM APIs** (Spring AI, Gemini, OpenAI). Currently working on a telecommunications Order Process Management application at Capgemini.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL
Java Core: Java 8 Features, Stream API, Lambda Expressions, Functional Interfaces, Generics, Collections, Multithreading, Exception Handling, OOP, Data Structures
Backend: Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Spring Cloud, Spring AI, Node.js, Express.js
APIs & Architecture: RESTful APIs, Microservices, JWT Authentication, API Gateway, Eureka, OpenFeign, WebSockets (STOMP), Swagger (OpenAPI)
Databases, Messaging & Workflow: MySQL, MongoDB, Redis, Apache Kafka, Camunda
Frontend: React.js, HTML5, CSS3, Tailwind CSS
AI & AI-Assisted Dev: LLM Integration, Spring AI, Gemini API, OpenAI API, Prompt Engineering, GitHub Copilot, Cursor, Codex
Tools & Practices: Docker, Git, GitHub, Maven, Postman, Spring Boot Actuator, IntelliJ IDEA, Agile/Scrum, SDLC

EXPERIENCE

Software Engineer | Capgemini, Bangalore, India | June 2026 – Present
Tech Stack: Java 8, Stream API, Lambda Expressions, Functional Interfaces, Multithreading, Collections, Spring Boot, Microservices, REST APIs, Swagger, Actuator, Cron Jobs, Agile
- Contributing to a telecommunications Order Process Management application (internet, mobile, cable services), working on **backend development** and maintenance using **Java** and **Spring Boot**.
- Developed **backend components**, configured **application logging**, managed **cron jobs** for order-processing workflows, documented APIs with **Swagger**, and monitored health with **Spring Boot Actuator**.
- Undergoing enterprise training in **Generative AI** while contributing to live projects on the Integration team.

Software Engineer Intern | Capgemini, Bangalore, India | Feb 2026 – Apr 2026
Tech Stack: Java, Spring Boot, Spring AI, Gemini API, REST APIs, Prompt Engineering
- Built an **AI-powered email assistant** using **Spring Boot**, **Spring AI**, and the **Gemini API**; developed and tested **REST APIs** and applied **prompt engineering** to improve AI response accuracy.

Full Stack Developer (Freelance) | Italy-based Client, Remote | Apr 2025 – Dec 2025
Tech Stack: MongoDB, Express.js, React.js, Node.js, RESTful APIs
- Developed **full-stack web applications** for an international client using the **MERN stack**: responsive UIs, **RESTful API** integration, new features, and **performance optimization**.

Full Stack Developer Intern | MagnifyX, London (Remote) | Dec 2024 – Apr 2025
Tech Stack: MERN Stack (MongoDB, Express.js, React.js, Node.js)
- Redesigned a **responsive hospital website** and built an **admin dashboard** for appointment scheduling and lead management.

PROJECTS

CodeCollab | 2026
Tech Stack: Spring Boot, Spring Cloud, React, WebSockets, Spring AI, MySQL, MongoDB, Docker
- Architected a **microservices** system with **API Gateway**, **Eureka**, Auth, Collaboration, AI, and Code Execution services (database-per-service), secured with **JWT** and **OpenFeign**.
- Engineered **real-time collaborative coding rooms** with **Spring WebSocket (STOMP/SockJS)** and React with Monaco Editor for low-latency multi-user sync and live chat.
- Integrated **Spring AI** and **OpenAI** for automated code reviews, intelligent hints, and dynamic DSA problem generation.

SubPulse | June 2026
Tech Stack: Spring Boot, React, MySQL, Microservices, Eureka, API Gateway, Gemini API
- Built a **microservices-based** subscription platform with **Eureka** and **API Gateway**, exposing **JWT-secured REST APIs** for users and subscriptions.
- Implemented automated renewal email reminders and integrated the **Gemini API** for AI-powered assistance.

Key-N-Share | July 2025
Tech Stack: Next.js, Node.js, Solana, IPFS, Web3.js
- Built a **decentralized dataset marketplace**: **Solana** for sub-second settlement, **IPFS** for encrypted storage, and a **Node.js** backend for cryptographic operations.
- Engineered an **end-to-end encrypted** pipeline (**AES-256**, **RSA-OAEP-SHA256**) with user-specific watermarking and **SHA-256 on-chain hashing** for duplicate blocking and proof of authorship.

EDUCATION

B.Tech in Computer Science and Engineering | CGPA: 9.61/10 | Aug 2022 – June 2026
G H Raisoni College of Engineering and Management, Nagpur, India

ADDITIONAL & EXTRACURRICULAR

LeetCode: leetcode.com/u/ankitkatole | **Peer Teacher**, Apache Kafka | **Treasurer**, Cortex Forum, GHRCEM (budget management, events for 300+ attendees)