

Ankit Kumar Singh

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Education

Government College of Engineering and Textile Technology

Berhampore, West Bengal

B.Tech, Mechanical Engineering . 8.40

July,2021

Relevant Coursework: Graduated in Mechanical Engineering with knowledge of CAD, AUTO-CAD, Applied Thermodynamics, Applied Mathematics, Applied Fluid Mechanics, C, C++, Java, Operating systems, GenAI, Agentic AI, AI Models and their use cases, Spring framework, RESTful design, Backend development and Prompt engineering. Majored in Thermodynamics and Fluid Dynamics.

St. Lawrence High School

Kolkata, West Bengal

Major in Physics, Chemistry & Mathematics. Optional Biology

May,2016

Professional Summary

- Technology Consultant and Senior Backend Engineer with 5+ years of experience delivering enterprise-scale digital transformation initiatives across e-commerce and insurance domains. Experienced in solution consulting, application modernisation, stakeholder collaboration, Agile delivery, AI-assisted software engineering, cloud-native architecture, and cross-functional leadership. Skilled at translating business requirements into scalable technical solutions while driving modernisation using Java, Spring Boot, TypeScript, AWS, and Generative AI.

Core Competencies

- Technology Consulting
- Solution Design
- Digital Transformation
- Application Modernisation
- Stakeholder Management
- Client Communication •
- Business Requirement Analysis
- Agile/Scrum
- Technical Leadership
- Delivery Management
- AI-assisted Development
- Prompt Engineering
- Java
- Spring Boot
- Microservices
- REST APIs
- AWS

Technical Skills

- **Languages:** Java 17, Typescript, Javascript, SQL
- **Frameworks:** Spring Boot, Spring Framework, Spring MVC, Spring Batch, Hibernate, JPA, Fastify
- **Cloud & DevOps:** AWS, Docker, Kubernetes, Terraform, Amazon CDK
- **Databases:** Oracle, MySQL, MongoDB and Redis
- **AI & Modernisation:** GPT-5, Claude, Prompt Engineering, RAG, MCP Server, AI-assisted Code Migration
- **Methodologies:** Agile, Scrum, SDLC, CI/CD.

Experience

Tata Consultancy Services Ltd.

Kolkata, West Bengal

Systems Engineer

May 2021 – June 2025

- Developed and maintained enterprise backend applications supporting UK based Insurance and Pensions administration.
- Designed Java/ Spring solutions and optimised Oracle PL/SQL queries for large-scale transaction processing.
- Automated recurring operational activities using Unix shell scripting and cron jobs.
- Worked closely with client stakeholders during requirement clarification, production support, defect triage and release planning.
- Participated in agile ceremonies, peer reviews and continuous improvement initiatives to improve delivery quality.

Infosys Limited.

Bangalore, Karnataka

Senior Associate Consultant

June, 2025 - Present

- Lead backend development and modernisation initiatives for Equinox Commerce, a cloud-native, API-first headless commerce platform.
- Corroborated with architects, product owners, QA and business stakeholders to deliver scalable enterprise solutions.
- Drive AI-assisted migration of Java services to a TypeScript/ Fastify architecture using GPT-5, Claude Sonnet and Claude Opus with structured prompting and validation.
- Designed and enhanced RestFul microservices using Java 17, Spring Boot, JPA/ Hibernate, AWS, MongoDB, Redis, Terraform, Amazon and Terragrunt.
- Mentor engineers through code reviews, technical discussions and knowledge sharing sessions.
- Contribute to delivery planning, estimation, defect resolution and continuous process improvement in Agile teams.

Leadership and Activities

Tata Consultancy Services Ltd.

Kolkata, West Bengal

Team Lead

April 2022 – June 2025

- Lead a group of dedicated individuals for a period of 2 years, delivering quality code within stipulated time frame.
- Carried out defect containment and eradicated repeated defects to ensure smooth delivery of deliverables. Also minimised people hours required for incorporation of new requirements by automation tools like crontabs.
- Liaised with cross functional team to ensure timely delivery and customer satisfaction.
- Lead deployment of several code changes annually, interacting various stakeholders. Ensuring that the interests of both my developers and the clients are respected.
- Participated in several conflict resolution meetings arising due to miscommunication, extravagant demands or lapses.

Infosys Limited

Bangalore, Karnataka .

Mentor

April 2022 – June 2025

- Mentored a group of freshers and ensured smooth transitioning from training to production environment.
- Provided basic KT on tools available in the Platform and guidelines for using them
- Helped in setting up the service architecture on local setup and debugging issues as they arise
- Lead a team of 5 individuals for development of MCP servers and refining swagger documents for the agent, so that the agent can understand it better