

SHIVAM SINHA

Java Backend Engineer | Spring Boot · Microservices · Kafka · CI/CD Automation · AWS Certified

+91-8210937126 • shivamsinha5359@gmail.com • Pune, MH • linkedin.com/in/shivamsinha09

3 days → 12 hrs

deployment cycle automated via Jenkins
CI/CD (~55% effort ↓)

36 hrs → 9 hrs

environment provisioning via shell
automation (75% effort ↓)

2× Awards

Client Recognition Awards — Amdocs

Top 15%

LeetCode (1,700+, Java) · AWS Certified

PROFESSIONAL SUMMARY

Backend engineer with 4 years at **Amdocs** — a global telecom BSS/OSS leader — working on an enterprise **Order Management System** for a UK telecom operator. Rare dual profile: writes and debugs **Java / Spring Boot** backend code **and owns the Jenkins CI/CD pipelines that ship it** — end-to-end from code to production. Delivered two client-recognized automation initiatives, cutting deployment cycles from **3 days to 12 hours** and environment provisioning from **36 hours to 9 hours**. **AWS Certified Developer – Associate**. **LeetCode Top 15%** (1,700+, Java). Daily AI-assisted workflow (**Cursor**) with structured prompting and rigorous review of generated code before merge. Recently promoted to AI Software Engineer, extending OMS to the ENS product.

TECHNICAL SKILLS

Languages	Java 8, Core Java, SQL, Bash / Shell Scripting, Python (working knowledge)
Backend	Spring Boot, Spring MVC, Spring Data JPA, Hibernate, RESTful APIs, Microservices Architecture
Messaging	Apache Kafka — producers, consumers, event-driven / asynchronous order processing
DevOps / CI-CD	Jenkins (pipeline creation, job configuration — advanced), Git, Bitbucket, Linux/Unix, Maven; Docker & Kubernetes (working knowledge — containers, images, basic cluster operations)
Cloud	AWS — EC2, S3, IAM AWS Certified Developer – Associate
AI Tooling	Cursor (daily AI-assisted development), structured prompt engineering, AI code review; LangChain, OpenAI API, Ollama (project experience)
Databases	Oracle, MySQL — complex SQL queries, joins, data validation, backend reporting
Practices	OOP, SOLID, REST API design, MVC, Agile / Scrum, code reviews, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

AI Software Engineer | Amdocs

Aug 2026 – Present • Pune, MH

Technical Integration Engineer → Technical Integration Engineer – Advanced

Jul 2022 – Jul 2026

Enterprise Order Management System (OMS) for a UK telecom operator — Java · Spring Boot · Kafka · Jenkins · Oracle

- ▶ **Spearheaded Jenkins CI/CD pipeline automation** converting a 3-working-day (~27-hour) manual deployment into a 12-hour one-click process — **~55% effort reduction** per release, earning a Client Recognition Award.
- ▶ **Automated SWP environment provisioning** — a 4-working-day (36-hour) manual setup — with Bash shell scripting, cutting it to 9 hours (**75% effort reduction**) and eliminating manual configuration errors, earning a second Client Recognition Award.
- ▶ **Owned Jenkins pipeline configurations across multiple microservices** — deployment scripts, integration checkpoints, and release coordination supporting bi-weekly release cycles.
- ▶ Performed **integration engineering across distributed OMS microservices** — service deployment, WebLogic server administration, environment health, and connectivity across backend services in the order lifecycle (creation, validation, routing, fulfilment).
- ▶ Contributed to **Java / Spring Boot services** supporting order-processing workflows — defect analysis and fixes, request validation, error handling, and database integration with Spring Data JPA / Hibernate.
- ▶ Worked with **Kafka-based event-driven messaging** for asynchronous order processing and inter-service communication — configuring, monitoring, and troubleshooting producers and consumers across services.
- ▶ Wrote and maintained **SQL on Oracle and MySQL** for order validation workflows, data analysis, and backend reporting.
- ▶ Adopted **Cursor for daily AI-assisted engineering** — structured, context-rich prompts with critical review of generated code for correctness and safety before use.
- ▶ Collaborated with development, QA, and client-side teams in Agile/Scrum sprints; contributed to technical documentation and runbooks.

Java Instructor (Freelance, Part-Time) | Coding Ninjas

July 2021 – September 2024 • Remote

- ▶ Conducted **300+ live sessions** on Java, Spring Boot, REST APIs, and Data Structures & Algorithms — **4.85/5 average student rating** across 3+ years; evaluated Spring Boot capstone projects with structured feedback on API design and code quality.
- ▶ Engaged on a freelance basis (Section 194J) over weekends, alongside full-time employment.

Full Stack Developer Intern | Zemoso Technologies

January 2022 – June 2022 • Hyderabad

- ▶ Developed a restaurant management web application — React.js frontend with Spring Boot REST APIs — within Agile sprints.

KEY PROJECTS

AI-Powered Natural Language → SQL Chatbot • GenAI • LangChain • OpenAI • Ollama

- ▶ Built an end-to-end backend converting natural-language queries to SQL using **LangChain + OpenAI API**, with Python REST endpoints executing against MySQL and Oracle; integrated **Ollama** for offline / on-prem local-LLM deployment.
- ▶ Implemented a **production-safe validation layer** blocking destructive SQL (DELETE, DROP, TRUNCATE) before execution, enforcing read-only safety.

Secure E-Voting Application • Spring Boot • REST APIs • MySQL

- ▶ Designed Spring Boot REST APIs for election management, voter registration, ballot submission, and result computation (MVC); implemented input validation and integrity checks across endpoints, tested end-to-end with Postman.

CERTIFICATIONS & ACHIEVEMENTS

- ▶ **AWS Certified Developer – Associate**
- ▶ **LeetCode Top 15%** — 1,700+ rating (Java)
- ▶ **2x Client Recognition Award** — Amdocs (Jenkins CI/CD automation; SWP shell-scripting automation)
- ▶ **Excellence in Java & DSA** — Coding Ninjas

EDUCATION

B.Tech, Computer Science | Chaibasa Engineering College

June 2018 – June 2022 • CGPA 8.01/10