

KANHAIYA LAL TIWARI

Java Backend Engineer | Spring Boot, Microservices, MySQL

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SUMMARY

Production-focused Java Backend Engineer with about 3 years of experience building secured REST APIs, async jobs and third-party integrations in Spring Boot and MySQL. Shipped modules in 1–2 months against a 6–8 month norm, was promoted within 16 months, and ran production as the last engineer of a 30-person team.

SKILLS

Languages & Core: Java, Python, SQL, JavaScript, OOP, Multithreading, Data Structures

Backend: Spring Boot, Spring MVC, Spring Security, Microservices, REST APIs, JSP, Servlets

Design & Security: HLD, LLD, SOLID Principles, Design Patterns, JWT, OAuth 2.0, RBAC, CORS, CSRF

Database & Caching: MySQL, Spring Data JPA, Hibernate, JDBC, Indexing, Multi-tenant Schema Design, Spring Cache

Integrations & AI: Twilio (Voice, SMS, IVR), Vapi, WhatsApp, Meta and Google Ads APIs, GA4, DataForSEO, Llama via Ollama

Tools: Git, GitHub, Tomcat, Postman, IntelliJ IDEA, STS, SLF4J, Swagger, JUnit 5, Mockito

Soft Skills: Problem-solving, Communication, Time Management, Adaptability

EXPERIENCE

Sunbase — cloud CRM/ERP for solar installers

Remote

Software Engineer

12/2025 – 10/2026

Java Backend Developer

08/2024 – 12/2025

- Owned backend features end to end: requirement analysis with business teams, API and MySQL schema design, implementation, release and production support. Delivered modules in 1–2 months that usually took 6–8 months.
- Secured Spring Boot APIs with Spring Security and JWT, with role-based access for admins and agents; added a global exception handler (@ControllerAdvice), @Valid DTO validation, Swagger/OpenAPI docs and SLF4J logging, and covered the service layer with JUnit 5 and Mockito tests. Worked through Git feature branches and pull requests.
- Debugged and fixed about 20 production bugs and issues a week across the Java/Tomcat platform and its MySQL data; stayed on as the last engineer after the 30-person team was reduced.
- Designed a schema-per-client (multi-tenant) MySQL model for the Learn module and built a Knowledge Base with an AI assistant on Llama via Ollama, used by 3,000–6,000 users across ~500 customer accounts.

Masai School — SDE Intern

11/2023 – 06/2024

- Built backend APIs in Spring Boot and Python that connected the frontend to external and third-party services.
- Turned project requirements from the product and frontend teams into backend features.

PROJECTS (BUILT AT SUNBASE)

Twilio Telephony and Campaigns (solo) | Spring Boot, Spring Data JPA, MySQL, Twilio Voice and SMS

- Built the backend and frontend for 20 customer accounts making 2,000–4,000 calls a day: Spring Boot webhook APIs drive IVR menus with call routing, recording and voicemail, plus a browser softphone and phone-number binding.
- Added power and predictive dialer and SMS campaigns, sending 10,000–20,000 SMS a day in batches with @Async and a thread pool to stay within Twilio rate limits; campaign creation runs in one @Transactional unit.
- Added MySQL indexes on call-log and SMS tables, and worked with Twilio's support team to map the call flows to the right APIs.

Marketing Hub and Social Media (with the marketing team) | Spring Boot, MySQL, Spring Cache, Meta and Google APIs

- Integrated GA4, Search Console, DataForSEO, Meta Ads and Google Ads into one dashboard through scheduled sync jobs and live API calls, with Spring Cache cutting repeated third-party calls; in rollout to 4 customer accounts.
- Built post scheduling and AI auto-replies for WhatsApp, Facebook, Instagram and LinkedIn, with business rules defined by the marketing team.

AI Voice Agents (solo) | Spring Boot, Vapi

- Built agents that call qualified leads and answer inbound calls on the company number, talk to the customer and book appointments into the CRM; piloted with 2 customer accounts.

EDUCATION

Full Stack Web Development — Masai School, Bengaluru

05/2022 – 05/2023

B.Com with Computer Applications — M.C.B.U., Chhatarpur, Madhya Pradesh

07/2018 – 07/2021