

NIHARIKA SANGOLKAR

Java Full Stack Developer | Backend Engineer • Pune, India

sangolkarniharika@gmail.com | +91-9021771757 | linkedin.com/in/niharika-sangolkar-b69109310 | github.com/NiharikaSangolkar

PROFESSIONAL SUMMARY

Java Full Stack Developer with 2+ years of experience designing and deploying production-grade REST APIs and microservices using Java (8/17/21), Spring Boot, Spring MVC, and Hibernate, paired with React.js frontends. Skilled across the full SDLC — architecture, secure coding, code review, testing, and cloud deployment on AWS. Hands-on experience with event-driven systems (Apache Kafka), NoSQL and relational databases (MongoDB, MySQL, PostgreSQL), payment/webhook integrations (Razorpay), and Agile/Scrum delivery. Proven record of improving system performance, reducing deployment time, and delivering scalable, maintainable code.

Currently Building: Docker & Kubernetes for containerized deployment, Redis caching strategies, and system design fundamentals (scalability, load balancing, database sharding).

TECHNICAL SKILLS

Languages: Java (8/17/21), JavaScript, Python, Node.js (Learning)

Backend / Java Full Stack: Spring Boot, Spring MVC, Hibernate, JPA, J2EE, Servlets, JSP, Microservices, REST APIs, SOAP

Frontend: React.js, HTML5, CSS3, Bootstrap, Tailwind CSS

Databases: MySQL, PostgreSQL, MongoDB, NoSQL

Cloud & DevOps (AWS): EC2, S3, Route 53, IAM, CI/CD pipelines, Docker (learning), Kubernetes (learning)

Messaging & Integrations: Apache Kafka (event-driven architecture), Razorpay Payment Gateway (webhooks), JWT/OAuth-based authentication

Tools & IDEs: IntelliJ IDEA, Eclipse, Spring Tool Suite, VS Code, MySQL Workbench, Postman, Maven, Git, GitLab, Bitbucket, SonarQube, Apache Tomcat

Concepts: OOP, Design Patterns, Multithreading, Exception Handling, Data Structures & Algorithms, Secure SDLC, Agile/Scrum

PROFESSIONAL EXPERIENCE

Software Engineer — Insta ICT Solutions Jun 2024 – Present | Pune, India

- Built production-grade full-stack applications using Java 8/17/21, Spring Boot, Spring MVC, Hibernate, and React.js for a telecom solutions provider.
- Integrated Apache Kafka for asynchronous event-driven communication; developed a real-time chat messaging module for seamless user communication.
- Integrated Razorpay Payment Gateway for secure transactions, subscription flows, and webhook-based verification.
- Deployed and managed applications on AWS EC2; configured S3 buckets for file storage and Route 53 for DNS routing.
- Led migration from monolithic to microservices architecture, improving system performance by 30%.
- Optimized SQL queries and schemas, reducing data retrieval times by 30%; achieved 95% unit and integration test coverage.
- Implemented CI/CD pipelines, cutting deployment time by 40%; enhanced application efficiency by 25%.
- Collaborated directly with clients on custom solutions, improving project delivery timelines by 15%.

Java Full Stack Developer (Intern) — Nobel IT Solutions and Development Nov 2023 – May 2024 | Pune, India

- Developed backend services with Java, Spring Boot, and Hibernate; built RESTful APIs and microservices for custom web applications.
- Designed responsive frontends using React.js and Bootstrap; conducted code reviews that reduced bug count by 20%.
- Wrote optimized SQL queries; authored API and microservices documentation to improve team knowledge sharing.

KEY PROJECTS

Dronacharya – Online Tutoring Platform | Spring Boot, React.js, MongoDB, AWS, Apache Kafka, JWT, Payment Gateway Integration

- Owned backend development for a multi-role tutoring platform (Tutor, Student, Admin) built on Spring Boot with a React.js frontend and MongoDB as the primary data store.
- Designed REST APIs and role-based access control so Admin users could manage all platform data, including user profiles, chats, payments, and scheduled classes.

- Built a real-time chat module and a class scheduling system enabling tutors and students to book, manage, and track sessions.
- Implemented secure, JWT-based payment processing for course/session payments, including transaction tracking accessible to Admin.
- Deployed and hosted the application on AWS, using Kafka for event-driven communication between services.

Solcon Website Admin Dashboard | Spring Boot, Angular, AWS S3, MySQL

- Built a full-stack admin dashboard using Angular and Spring Boot; implemented REST APIs to upload, parse, and store financial data (Excel/CSV/PDF/Image) in MySQL.
- Integrated AWS S3 for secure document storage; implemented role-based access control (RBAC) and data visualization for admin users.

Guru Krupa – Document Processing Platform | Spring Boot, Microservices, REST APIs, Java 8

- Developed microservices to parse and process procurement documents across food services; built RESTful APIs improving efficiency by 10%.
- Participated in full SDLC — from design and inventory analysis to coding, testing, and deployment.

Revamping the Financial Dhanavruksha Website | HTML5, CSS3, JavaScript, Bootstrap, Tailwind CSS, Laravel

- Redesigned and developed a responsive, accessible financial services website with seamless backend integration.

Optic Disc Detection from Fundus Images | YOLOv11, Detectron2, Python

- Improved retinal image quality for diabetic retinopathy diagnosis using YOLOv11 and Detectron2; applied blood vessel inpainting for seamless reconstruction.

EDUCATION

B.Tech in Electronics Engineering — Walchand Institute of Technology, Solapur University | Aug 2019 – Jul 2023 | 80.41%

CERTIFICATIONS

- JPMorganChase – Software Engineering Job Simulation, Forage (2026)
- Introduction to Large Language Models, Google (2026)
- Introduction to Generative AI, Google (2026)
- Building Scalable Java Microservices with Spring Boot and Spring Cloud, Google (Oct 2025)
- Java Full Stack Development, Nobel IT Solutions and Development (Nov 2023 & May 2024)
- Joy of Computing Using Python, IIT Madras (Apr 2022)

KEY ACHIEVEMENTS

- 30% system performance improvement by leading a monolithic-to-microservices migration.
- 95% automated test coverage, significantly reducing production bugs.
- 40% reduction in deployment time through CI/CD pipeline implementation.
- 25% increase in application efficiency, improving client satisfaction and retention.