Shivam Shankar Pandey

Java Spring Boot Developer — Fullstack Developer

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Summary

Java Spring Boot and Fullstack Developer skilled in building secure, scalable applications with Spring Boot (REST APIs, Microservices, Security, JPA, Hibernate) and ReactJS. Strong in backend development, database management (MySQL, MongoDB), and authentication (JWT/OAuth2). Proven problem-solving ability with 1500+ DSA problems solved and experience in delivering clean, maintainable code for real-world projects.

Projects

1. **Management_New_Latest** — GitHub Link
   Technologies: Java, Spring Boot, RESTful APIs, JWT, JPA, MySQL

   - **Developed** a role-based user management system with secure authentication and authorization using JWT.
   - **Built and maintained** RESTful APIs for seamless client-server communication.
   - **Implemented** user registration, login, and role management with Spring Security.
   - **Used MySQL** for structured data storage and retrieval.

2. **OCR Data Extraction System** — GitHub Link
   Technologies: Java, Spring Boot, Regex, OCR (Tesseract/Google Vision), JSON, REST APIs, MySQL

   - **Designed and developed** a high-performance OCR pipeline that extracts structured data (names, relations, caste, dates, rituals, etc.) from raw scanned documents and handwritten text.
   - **Integrated advanced Regex patterns** and text parsing utilities to convert noisy OCR output into clean, structured JSON format.
   - **Implemented REST APIs** in Spring Boot to process images and return structured, validated JSON responses in real time.
   - **Optimized preprocessing** with image cleaning, noise reduction, and text alignment, improving OCR accuracy significantly.
   - **Handled large datasets** with scalability in mind — capable of processing 1200+ scanned images in batch jobs.
   - **Ensured accuracy and reliability** with custom validation rules, fallback error-handling mechanisms, and AI-assisted correction using prompt engineering.
   - **Delivered automation at scale:** minimized manual effort in data entry for historical ritual records, boosting efficiency and accuracy.
   - **Super project impact:** turned unstructured OCR text into ready-to-use structured digital archives — enabling analytics, reports, and long-term preservation.

3. **JavaPortal** — GitHub Link
   Technologies: Java, Spring Boot, RESTful APIs, JWT, JPA, MySQL, ReactJS

   - **Built** a full-stack web portal integrating Spring Boot backend with ReactJS frontend.
   - **Implemented** JWT-based authentication for secure access to resources.

- **Designed** and deployed REST APIs for user and data management.
- **Integrated ReactJS frontend** for a smooth and responsive user experience.

4. **ChatVista**
   Technologies: ReactJS, Socket.IO, MongoDB, Express.js

   - **Developed** a real-time chat application with instant messaging features.
   - **Integrated** Socket.IO for low-latency, bi-directional communication.
   - **Implemented** secure user authentication and chatroom creation.
   - **Used MongoDB** to manage chat history and user data.

Education

- **Khwaja Moinuddin Chishti Language University**, Lucknow, India
  B.Tech in Computer Science and Engineering (SGPA: 7.96)   Jul 2022 – Present

- **Sant Ravidas Government Polytechnic**, Chandauli, UP
  Diploma in Computer Science and Engineering – 80.58%   2019 – 2022

- **Aditya Birla Intermediate College**, Renukoot, UP
  10th – 70.5%, 12th – 57% (UP Board)   2017 – 2019

Skills & Abilities

- **Languages:** Java, C, JavaScript, Python
- **Frameworks:** Spring Boot, React.js, Node.js, Express.js, JPA
- **Databases:** MySQL, MongoDB
- **Tools:** Git, Postman, Jira, Eclipse, VS Code
- **Soft Skills:** Problem Solving, Leadership, Time Management, Quick Learning

Internship Experience

- **Backend Developer Intern – Saanvi Technology Solutions**
  Worked on backend development using Java Spring Boot. Developed and maintained RESTful APIs, implemented JWT authentication and role-based access control with JPA and MySQL. (Ongoing)

- **Project Intern – Blue Book Foundation**
  Developed a project using Java Spring Boot, implemented RESTful APIs for secure communication, and contributed as a front-end developer. (45 Days)

Competitive Programming

- **GeeksforGeeks:** Shivamsp100 – Ranked 3rd among 950+ students at my college. Solved 400+ problems.
- **LeetCode:** ShivamSP100 – Solved 500+ problems.
- **Overall DSA Practice:** Solved 1500+ problems (online + offline).

Certifications

- **Softpro India** – Certified in Python with Django and PHP with Zwave during diploma (2021).
- **Softpro India Internship** – Selected for a free 6-month internship after clearing interview (2022).

Positions of Responsibility

- **Volunteer:** Mentored freshmen in soft skills and organized events (dance, music, fitness, photography, skits, debates, etc.).

Languages

- English, Hindi