Bhumika Agarwal

Full-Stack Developer

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SUMMARY

Java Full-Stack Developer with 3+ years of experience in J2EE application development, specializing in Spring Boot–based microservices, REST API design, and ReactJS frontend integration. Strong foundation in Core Java, object-oriented design, collections, exception handling, and ORM frameworks (Hibernate/JPA). Experienced in CI/CD workflows, SQL databases, unit testing, and Agile delivery within BFSI environments.

EXPERIENCE

Software Engineer II
JP Morgan Chase & Co.

Oct 2024 – Present
Mumbai, India

– Developed and maintained J2EE-based backend services using **Core Java and Spring Boot**, following object-oriented design principles and clean coding practices.
– Designed and enhanced **RESTful microservices** with a focus on scalability, exception handling, logging, and performance optimization.
– Implemented **role-based authorization and token-based authentication**, strengthening security compliance within BFSI applications.
– Worked on frontend integration using **ReactJS and Angular**, developing UI components and consuming backend APIs for trading workflows.
– Improved system stability by adding comprehensive **unit tests using JUnit**, increasing backend test coverage to **70%+**.
– Collaborated in an **Agile Scrum environment**, participating in sprint planning, daily stand-ups and retrospectives, code reviews, and production support activities.

Junior Software Engineer
Cognizant

Jul 2022 – Jul 2024
Mumbai, India

– Developed enterprise-grade J2EE applications using **Core Java, Spring, and Spring Boot** for BFSI clients.
– Built and maintained **Spring Boot microservices** with **Hibernate/JPA** for data persistence and transactional consistency.
– Wrote **unit tests using JUnit and Mockito**, achieving **90%+ coverage** and reducing regression defects.
– Collaborated with frontend teams using **ReactJS** to integrate backend APIs with UI workflows.
– Actively participated in **Agile ceremonies** including sprint planning, daily stand-ups, and retrospectives.

PROJECTS

Regulatory Approval System – Java 17, Spring Boot, Camunda 7, JWT, SQL   Link

– Designed and built an enterprise-grade workflow orchestration system to automate multi-stage regulatory approvals for **BFSI and healthcare domains**.
– Modeled complex business processes using **BPMN 2.0** with Camunda, implementing SLA timers, escalation paths, and conditional routing.
– Implemented a fully decoupled **External Task Worker architecture**, for risk scoring, compliance checks, escalation handling, workflow completion, and notifications with retry logic.
– Designed secure APIs with **Spring Security and JWT**, enforcing role-based access control and workflow-level authorization.
– Implemented a complete **audit trail system** capturing workflow events, task transitions, SLA breaches, and decision history.

Hospital Management System — Java 17, Spring Boot, React   Link

- Designed and built a full-stack platform with a strong backend foundation, exposing secure REST APIs consumed by a React-based frontend.
- Focused on API performance, reducing response times by **30%** through optimized queries and caching strategies.
- Built reusable UI components and dashboards using React and Material-UI to support consistent UX across workflows.

Movie Review Platform — Java 17, Spring Boot, MongoDB, React   Link

- Developed a scalable full-stack movie review application with dynamic React UI.
- Designed **15+ REST APIs**, improving data throughput by **35%**.
- Integrated TMDb and YouTube trailers to improve engagement by **50%**.
- Delivered **85%** test coverage on both frontend and backend.

TECHNICAL SKILLS

Programming Languages: Java (Core Java, J2EE)
Frameworks: Spring, Spring Boot, Hibernate, JPA
Architecture: Microservices, REST APIs
Frontend: ReactJS, JavaScript, HTML, CSS
Databases: SQL, MySQL
CI/CD & Build Tools: Git, Jenkins, Maven
Testing: JUnit, Mockito
Tools: IntelliJ, VSCode, Postman

EDUCATION

University of Petroleum and Energy Studies   Dehradun, Uttarakhand
B.Tech. in Computer Science Engineering   *Jun 2018 – Jun 2022*