# Bhumika Agarwal
Full-Stack Developer

(+91) 9315351119 | bhumika.aga@gmail.com | LinkedIn | GitHub | Portfolio

## 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                                  Oct 2024 – Present
*JP Morgan Chase & Co.*                                    *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, code reviews, and production support activities.

### Junior Software Engineer                              Jul 2022 – Jul 2024
*Cognizant*                                                *Mumbai, India*

– Developed enterprise-grade J2EE applications using **Core Java, Spring, and Spring Boot** for BFSI clients.
– Applied strong **object-oriented design principles**, utilizing Java collections, exception handling, and logging frameworks across services.
– Built and maintained **Spring Boot microservices** with **Hibernate/JPA** for data persistence and transactional consistency.
– Worked extensively with **SQL databases**, writing optimized queries and supporting production data issues.
– Used **Git** for version control and participated in CI/CD pipelines; supported build processes using **Maven**.
– 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.

### Software Engineer Trainee                             Jan 2022 – Jun 2022
*Cognizant*                                                *Remote*

– Developed Spring Boot microservices using Core Java and JPA, following layered architecture and REST principles.
– Implemented JWT-based authentication and basic frontend integration using ReactJS.
– Built and deployed applications using Maven and Docker in a team-based Agile setup.

## Projects

### 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)
**Java Concepts:** OOPS, Collections Framework, Exception Handling, Logging
**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
**Methodologies:** Agile (Scrum)
**Domain:** BFSI **Code Quality Tools:** SonarQube (code analysis exposure)

## Education

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