
Bhumika Agarwal

Full-Stack Developer

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SUMMARY

Full-stack developer with hands-on experience building scalable backend services, interactive front-end applications, and cloud-based deployments. Skilled in Java, Spring Boot, React, Angular, REST API design, and AWS. Experienced in setting up infrastructure end-to-end, implementing secure authentication, and optimizing systems for performance and reliability. Currently learning workflow automation with Camunda7.

EXPERIENCE

Software Engineer II

JP Morgan Chase & Co.

Oct 2024 – Present

Mumbai, India

- Built full-stack enhancements for internal trading tools, developing UI components in **React.js** and **Angular** and extending backend services in **Java + Spring Boot**, improving trader efficiency by **30%**.
- Implemented secure **token-based authorization and RBAC**, leading to a **35%** improvement in access control compliance.
- Improved backend reliability through expanded JUnit test coverage, reaching **70%+**.
- Reduced FARM breaks by **40%** through database optimizations and resiliency improvements in microservices.
- Set up complete application infrastructure: created GitHub repositories, configured **AWS ECS clusters**, managed **DNS and Route 53**, and automated provisioning using Infrastructure-as-Code.
- Learning and experimenting with **Camunda** for workflow-driven service orchestration.

Junior Software Engineer

Cognizant

Jul 2022 – Jul 2024

Mumbai, India

- Developed backend modules in **Spring Boot** and contributed to React-based UI integration for banking workflows.
- Designed REST APIs and optimized application performance, reducing response times by **30%**.
- Implemented **JWT/OAuth2** authentication and multi-layer authorization.
- Led test automation efforts, achieving **90%+** test coverage.
- Collaborated across Agile teams for full-stack development, API integration, and sprint delivery.

Software Engineer Trainee

Cognizant

Jan 2022 – Jun 2022

Remote

- Built a full-stack pharmaceutical benefits system using **React + TypeScript** and **Spring Boot microservices**.
- Implemented JWT authentication with real-time checks, reducing failed registrations by **60%**.
- Developed and integrated **25+ REST APIs**.
- Containerized and deployed using **Docker Compose** with **99.9% uptime**.
- Documented system design and deployment workflows in **75+ pages**.

PROJECTS

Hospital Management System — Java 17, Spring Boot, React

[Link](#)

- Built a full-stack platform for patient workflows, treatment planning, and insurance automation.
- Developed responsive dashboards in React using Material-UI; reduced navigation time by **25%**.
- Optimized backend performance, reducing API latency by **30%**.
- Integrated 10+ insurer endpoints for claim submissions.
- Achieved **75%+** test coverage.

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

Frontend: React.js, Angular, JavaScript, TypeScript, Material-UI, HTML/CSS

Backend: Java 17, Spring Boot, Spring Data JPA, Hibernate, REST APIs, Microservices

Databases: MySQL, MongoDB

Cloud & DevOps: Docker, AWS ECS, Route 53, CI/CD, Infrastructure-as-Code

Tools: Git, GitHub, Maven, IntelliJ, VSCode, Postman

Concepts: Full-stack architecture, authentication/authorization, caching, distributed systems, workflow automation (Camunda7)

EDUCATION

University of Petroleum and Energy Studies

B.Tech. in Computer Science Engineering

Dehradun, Uttarakhand

Jun 2018 – Jun 2022