Pratyush Kumar

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PROFESSIONAL SUMMARY

Full Stack Java Developer with **3 years of experience** delivering end-to-end web applications using ReactJS, Spring Boot, and MySQL/MongoDB. Improved API efficiency by 30%, integrated responsive UIs, and built reusable microservices with Kafka-based centralized logging. Experienced with AWS (Lambda, DynamoDB, CloudWatch, Amazon Connect), OAuth2, Redis caching, circuit breaker patterns, and Agile delivery across multi-environment deployments.

WORK EXPERIENCE

Infosys Ltd.

Senior Systems Engineer   October 2022 - Present

Project: Unified Communication Solutions
Tech Stack: Spring Boot, Microservices, Kafka, Redis, MySQL, OAuth2, Eureka, API Gateway
- Designed and enhanced 3 microservices in a patented platform, contributing to **25% reduction in service downtime** and faster issue diagnosis through Kafka-based centralized logging.
- Developed a reusable auditing service used across modules, **reducing duplicate logging effort by ~40%**.
- Optimized RESTful APIs and database access, improving API response times by **up to 30%** and enhancing throughput under high load.
- Achieved **80%+ unit test coverage**, increasing deployment confidence and catching critical defects early in CI/CD cycles.

Project: Smart Room Booking System
Tech Stack: Spring Boot, MongoDB, ReactJS, Material UI
- Built efficient RESTful APIs and booking workflows that supported a **20% increase in concurrent user handling**.
- Integrated visual analytics via graph APIs and MongoDB queries, improving room utilization visibility for management.
- Contributed to both frontend and backend features, accelerating cross-functional deliverables by **15–20%**.
- Implemented flat file rolling-based logging, reducing log-related production issues by **35%** and simplifying root cause analysis.

SKILLS

- **Languages:** Java, JavaScript, SQL
- **Frontend:** ReactJS, Material UI, Bootstrap
- **Backend & Frameworks:** Spring Boot, Spring Security, Spring Data JPA, RESTful APIs, Microservices Architecture
- **Databases:** MySQL, MongoDB, Redis, H2
- **Messaging & Logging:** Apache Kafka, Flat file Rolling Logging
- **Authentication & Architecture:** OAuth2, API Gateway, Eureka, Load Balancer, Circuit Breaker
- **Testing:** JUnit, Mockito (80%+ code coverage)
- **Cloud & AWS Services:** Amazon Connect, AWS Lambda, CloudWatch, DynamoDB, IAM
- **Tools:** Git, Maven, Postman, Swagger
- **IDEs & OS:** Eclipse, VS Code, Linux, Windows
- **Project Management:** Agile Methodology, JIRA

PROJECTS

Inventory Management System
ReactJS (ElectronJS), Spring Boot, H2 Database
- Developed a desktop-based inventory tracking application using **ReactJS with ElectronJS** for offline compatibility.
- Built backend services in **Spring Boot** with an **embedded H2 database**, ensuring quick setup and zero external dependencies.
- Designed responsive UI for item management, stock updates, and basic reporting.
- Optimized for **offline-first usage**, suitable for small businesses and retail environments without continuous internet access.
- Currently under development with modular code structure to support future enhancements like sync-to-cloud.

EDUCATION

Nalanda College of Engineering, Chandi

Computer Science and Engineering - 7.91   September 2018 - August 2022
- Developed a strong foundation in programming with **C, C++, Java, Python**, and core web technologies like **HTML, CSS, JavaScript, PHP**.
- Gained early exposure to **ReactJS**, fostering interest in full stack development.
- Completed academic assignments and mini-projects demonstrating frontend and backend integration skills.