

# PREM KUMAR

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## SUMMARY

Software Engineer with 3 years of full-stack web development experience, creating reliable, user-friendly applications, solving problems, improving performance, and working with teams to build great products.

## SKILLS

JavaScript (React, Angular, Node.js), Java (Spring Boot), REST APIs, MySQL, MongoDB, AWS, Git, Docker, Agile Development.

## WORK EXPERIENCE

### Java Developer

Jun 2019 - Jul 2022

*RK software solutions*

- Developed responsive, user-centric web applications using React.js and JavaScript ES6+, leveraging React Hooks, Context API, and Redux for efficient state management and dynamic content rendering.
- Created custom reusable components and hooks to improve development efficiency and maintainability across multiple projects.
- Collaborated closely with UI/UX designers and backend teams to deliver interactive dashboards, filterable data tables, and mobile-optimized forms, improving usability and user engagement.
- Implemented role-based access control (RBAC) and secure authentication workflows with JWT and OAuth2, including user onboarding, password reset, and session management.
- Built and maintained RESTful APIs with Spring Boot, enabling seamless integration between front-end components and backend services for transaction history, reporting exports (PDF/Excel), and profile management.
- Containerized applications using Docker and streamlined deployments with CI/CD pipelines, ensuring consistent builds across development, testing, and production environments.
- Integrated and optimized SQL (Oracle, JDBC) and NoSQL (MongoDB) databases to support high-traffic applications, ensuring real-time data integrity and fast query performance.
- Deployed and managed cloud-native applications on AWS (EC2, S3, RDS, Lambda, EKS), leveraging services for scalability, monitoring, and cost optimization.
- Participated actively in Agile ceremonies, code reviews, and production monitoring, ensuring high-quality and maintainable code delivery.

## PROJECTS

### The Patient Management System: *(Spring Boot, gRPC, and Kafka integration)*

- Modular microservices (Patient, Auth, Billing, Analytics).
- It supports full CRUD operations, JWT-based authentication, centralized error handling, and API Gateway routing. services are containerized with Docker.
- Comprehensive testing and OpenAPI documentation.

### Food Ordering Platform: *(MongoDB, Express.js, React, Node.js)*

- The Food Ordering Platform is built using the with modular services for users, restaurants, orders, and payments.
- It includes user authentication with JWT, real-time order tracking, and role-based access for admins and vendors.
- The platform is fully responsive, API-driven, and containerized with Docker for scalable deployment.
- Features also include RESTful APIs, MongoDB aggregation, and comprehensive testing.

## EDUCATION

Wright State University || Ohio

Aug 2022 – Apr 2024

*Masters in Computer Science*

Achieved an **outstanding 3.8/4 GPA**, reflecting a deep commitment to academic excellence and a strong analytical mindset. Possesses a **comprehensive understanding of advanced concepts in algorithms, networking, databases, and data analysis**, with the ability to apply theoretical knowledge to real-world problem-solving and innovation.