PREM KUMAR

☏ 937 794 2056 | ✉ prem.tala95 @gmail.com | website

SUMMARY

Software Engineer with 4 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 2018 - 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 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.