K P Ramanath
Email | LinkedIn | Github | HackerRank | Portfolio | Twitter

SUMMARY:
Full stack software developer with expertise in front-end and back-end development, experienced in leading cross-functional teams.

TECHNICAL SKILLS:
- **Frontend** - JavaScript, Angular, React Js, TypeScript
- **Backend** - Java, Spring Boot, Microservices
- **DevOps** - Docker, Jenkins, AWS
- **Database** - MySQL, MongoDB

EXPERIENCE:
Senior Software Engineer - LTIMindtree | September 2023 - Present
- Engineered a tailored solution for a banking client, utilizing Vanilla JavaScript, enabling seamless generation of Excel outputs from Tableau Dashboards.
- Facilitated the conversion of a Spring Boot-based monolithic architecture project to a microservices architecture, achieving a 20% reduction in system response time and a notable 30% enhancement in overall application performance.
- Tailored Docker images and orchestrated their deployment in the customer's environment, aligning seamlessly with their specific requirements and ensuring a smooth integration of the application.

Software Engineer - LTIMindtree | January 2021 - August 2023
- Engineered a metadata extraction module utilizing REST APIs and SDKs, achieving a 30% reduction in data retrieval time from source BI tools (Tableau, Cognos).
- Conducted exhaustive research on APIs for metadata extraction from BI tools, contributing to a 20% enhancement in data extraction accuracy.
- Played a pivotal role in 15+ client interactions, delivering compelling product demos and showcasing its extensive capabilities.
- Followed Agile workflows, leveraging Azure DevOps for project management, resulting in a 30% improvement in project delivery timelines.
- Authored a noteworthy whitepaper titled "ReCast Modernizer", published in the LTIMindtree ReCast section in 2023.

PROJECTS:
[Link] YouTube Clone
Tech Stack: React Js, Redux Toolkit, Tailwind CSS
- Developed a YouTube clone with YouTube Data API V3, emphasizing API integration proficiency.
- Implemented user-friendly features, including a toggle menu and optimized search with debouncing and API polling for enhanced performance.
- Developed a dynamic comments section with live comments, showcasing a focus on user engagement and experience.
- Innovatively incorporated a dark mode and a shimmer effect on load, highlighting a commitment to modern design trends and enhancing visual appeal.
- Organized video content systematically by category, showcasing a structured approach to content presentation and improved user navigation.

[Link] MicroHotel Suite
Tech Stack: Spring boot, Spring cloud, Microservices, Docker, Jenkins, AWS, MySQL, Postgres
- Implemented a robust Microservices Architecture for a Hotel Management Application comprising core services (Hotel, Rating, and User) with essential components like Service Discovery, Config Server, and API Gateway.

- Implemented crucial microservices patterns (Circuit Breaker, Load Balancing, and Feign Client) to boost the application's resilience, scalability, and inter-service communication efficiency.
- Containerized the entire application using Docker for streamlined deployment and scalability.
- Established a robust CI/CD pipeline with Jenkins for continuous integration and deployment on AWS EC2 instances, integrating GitHub webhooks for automated updates.

[Link] QuizMaster Pro
Tech Stack: Spring boot, Spring security, Hibernate, Angular, Material UI, Bootstrap, MySQL
- Developed an exam portal with Admin Module for category, quiz, and question management, and a User Module for student quiz participation with timed assessments and result tracking.
- Implemented robust authentication and authorization with Spring Security, ensuring secure access to admin routes and enhancing system integrity.
- Enhanced user security by implementing an auth guard for admin routes.
- Employed local storage for token management post-authentication, contributing to a secure and efficient authentication process.

COURSES:
- Microservices with Spring boot & Spring cloud, Udemy
- Namaste React Course, NamasteDev
- Web Development Bootcamp, Udemy
- Flutter Development Bootcamp, Udemy

EDUCATION:
CMR Institute of Technology, Bangalore | Bachelor's of Engineering | August 2016 to August 2020