Rubesh

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EXPERIENCE

Software Engineer, Self Employed   01 / 2023 – 03 / 2024

- Spearheaded the development and design of mobile and web applications with a focus on optimized performance, implementing core algorithms to reduce external package dependencies by 90%.
- Assumed 100% responsibility for the entire stack, managing both frontend (Angular & Flutter) & backend (firebase) components.
- Increased and revamped measures to reduce space utilization by 25% and enhance application speed by 17%.
- Deployed git workflows for version control, enabling efficient collaboration and streamlined code reviews by 70%.
- Integrated DevOps toolchains for CI/CD pipelines, focusing on Application Resiliency and automating deployments, reducing build times by 40%.
- Demonstrated expertise in embedded computing by integrating IoT functionalities into mobile applications, creating seamless user experiences and containerized environments using Docker and Kubernetes, improving deployment efficiency and system scalability by 90%, ensuring Application Resiliency.
- Developed and deployed backend systems using Python incorporating robust system design principles and Firebase for cloud integration, resulting in a significant 20% improvement in overall performance metrics.

Assistant Systems Engineer, Tata Consultancy Services   05 / 2021 – 01 / 2023

- Managed the 80% deployment and supervision of the Bank of America's new banking app into production, ensuring system design and Application Resiliency while maintaining less than 10% issues.
- Supervised and maintained the health and performance of all JVMs and servers, ensuring more than 95% utilization.
- Liaised with the development team to implement measures to mitigate 70% potential issues and 80+ known issues.
- Resolved 85% of critical incidents promptly, focusing on high-priority issues to minimize application performance impact.
- Ensured the seamless operation of the mobile banking application and associated functions, maintaining above 90% functionality.
- Collaborated with 10+ clients to gather requirements and delivered modern solution, resulting in a 20% increase in system efficiency.
- Developed and implemented 15+ REST APIs using modern programming languages and database querying languages while taking necessary security measures throughout the Software Development Life Cycle, reducing deployment time by 25%.
- Implemented containerized environments with Docker and automated deployments with Kubernetes, improving system scalability and reducing downtime by 30%. Collaborated with cross-functional teams to develop and deploy 10+ new features, enhancing user functionality and contributing to a 15% increase in customer satisfaction.

EDUCATION

Advanced Computer Science, M.Sc.,   08 / 2023 – 09 / 2024
University of Liverpool, Liverpool, United Kingdom   **Grade** - 2:1 Honors

Computer Science, B.E.,   06 / 2017 – 07 / 2021
Jeppiaar Engineering College, Chennai, India   **Grade** - First class

SKILLS

- **Languages :** Python, Java, C++, C#, JavaScript, TypeScript, dart, XML, HTML5, CSS3, MySQL, YAML.
- **Frameworks :** Flutter, Angular, React, NodeJS, Django, PyTorch, TensorFlow, NumPy, Pandas, Scikit-learn, Leaflet, GIS, Mapbox.
- **Developer Tools :** Bootstrap, IOT, Linux, Docker, Kubernetes, Git, Firebase (Google Cloud Platform), REST APIs, Visual Studio code, IntelliJ, Eclipse, Adobe Photoshop & XD (UI/UX), Figma, Glass box and Splunk.
- **Core Competencies :** Full-Stack Development (web & Mobile), Machine Learning Model Development, API Development and Integration, Cloud Deployment and Infrastructure Automation, Agile and Scrum Practices, Secure Software Development.

PROJECTS

- Designed a web-based (angular & firebase) home care system to manage the scheduling and allocation of patient care.
- Designed and devised a ML-powered web app to analyze and visualize academic performance metrics for educational institutions.
- Engineered IoT shoes with haptic feedback for visually impaired, enhancing safety and navigation through live obstacle detection.
- Created a web and IoT solution for managing water usage in educational institutions, reducing wastage and improving efficiency.
- Pioneered a mobile application to connect citizens with law enforcement for streamlined area management [MHRD - IIC National Innovation contest selected concept].

CERTIFICATIONS

- Udemy's certification for Flutter, a cross platform mobile application.
- Udemy's certification for Angular, a web development framework.
- Machine Learning and Data Science from Zero to Mastery Academy.