Venkata Sai Krishna Padarthi

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**EXPERIENCE**

**Software Developer | Voya Financials** | Windsor, CT **Jul 2024 – Present**

* Developed and launched a financial services web application using the **MERN stack**, resulting in a 20% increase in user engagement through dynamic dashboards and personalized customer experiences.
* Implemented **Jenkins** CI/CD pipelines to automate deployment processes, reducing application downtime by 30% and enhancing release cycle efficiency by 25%.
* Managed version control for over 15 projects using **Git**, facilitating seamless team collaboration and decreasing merge conflicts by 40% through effective branch management and code reviews.
* Monitored and resolved application performance issues, achieving a 98% uptime rate and improving system reliability across critical financial operations.

**Team Lead – Software Developer | OSOS Private Limited** | Hyderabad, India **Jul 2021 – Jan 2023**

* Led a team of 10 developers across front-end, back-end, and mobile specializations, completing software project on time and within budget, which increased user engagement by 20% through optimized design and functionality.
* Reduced page load times by 30% and enhanced user-friendliness by revamping the front-end with React.js, while maintaining reliable APIs in **Node.js** and **MongoDB** that supported 100,000+ monthly transactions.
* Automated CI/CD pipelines with **GitHub** and **Jenkins** across environments, cutting deployment errors by 15% and reducing deployment time by 40%, while ensuring 99.9% server uptime through efficient **DevOps** practices.
* Added logging and monitoring systems that decreased issue resolution time by 35%, trained team members to improve productivity by 25%, and implemented security measures like **RBAC** to protect data and ensure compliance.

**Software Developer |** Fluxtex Solutions Inc | Houston, Texas **May 2020 – Jun 2021**

* Increased website traffic by 25% and user retention by 15% by designing and maintaining websites with **HTML, CSS, JavaScript**, and **ReactJS**, incorporating user feedback to enhance functionality and experience.
* Improved mobile user engagement by 20% by developing and launching an **Android** application using **Java**, while optimizing app performance to reduce load times by 25% for a smoother user experience.
* Reduced deployment times by 30% and improved system reliability by 15% through **Jenkins**-automated CI/CD pipelines and efficient server management practices, ensuring seamless updates and minimizing downtime.
* Boosted team efficiency by mentoring junior developers and conducting code reviews, while implementing responsive UI/UX strategies that ensured a 10% increase in user satisfaction across devices.

**PROJECTS**

**Student Survey |** Independent Project **Aug 2023 - Dec 2023**

* Developed a survey application with **AngularJS** frontend and **SpringBoot** backend, enabling real-time submissions and visualization, which streamlined survey processing for 500+ users across multiple teams.
* Migrated a legacy application from **AngularJS** to **ReactJS**, enhancing performance by 30% and improving user experience through optimized rendering and secure API integration for seamless frontend-backend communication.

**API Documentation Tool |** VS Code extension **Sep 2023 – Dec 2023**

* Automated the generation of PDF and TXT documentation for all API endpoints in **Node.js** projects using **TypeScript**, reducing manual effort by 40% and improving efficiency for developers across 10+ active projects.
* Designed a custom interface within VS Code using **TypeScript** to streamline **Node.js** API navigation and documentation, simplifying processes for development teams and enhancing productivity during code implementation and maintenance.

**Token Authentication |** Capstone Project **Apr 2024 – May 2024**

* Developed an **Android** banking application with core features like balance checks and transaction history, serving 5,000+ users and improving transaction visibility by implementing a secure token-based authentication system.
* Designed a scalable backend using **SpringBoot** microservices, ensuring modular architecture and optimizing the application for seamless navigation, which enhanced user experience and reduced task completion times by 25%.

**EDUCATION**

**Masters in Computer Science,** George Mason University  **May 2024**

Relevant coursework: Full Stack Development, Android App Development, Data Structures and Algorithms, DevOps, AWS, Azure, Computer Science Foundations, Embedded Programming, Software Design & Architecture, Computer Networks, Operating Systems, UI/UX Designing, Design & Analysis of Algorithms, Probability.

**SKILLS**

**Languages:** Python, C, Java, LaTeX, HTML, CSS, JavaScript, TypeScript, EJS, ExpressJS, ReactJS, NodeJS, AJAX, PHP, jQuery, VueJS, NextJS, React Native, Kotlin

**Developer Tools:** AWS, MongoDB, GraphQL, Google Cloud Platform, Git, MySQL, Docker, Jenkins, VS Code, Jupyter Notebook, Spyder Notebook, Android Studio, GitHub, Eclipse, IntelliJ Idea, XCode

**Operating Systems:** Windows, MacOS, Linux, Unix

**Relevant skills:** Data Structures, Android App Development, Firebase, Figma, XML, VOIP Calls, XMPP server, ML, DevOps, Kubernetes, VS Code Extension Development, MVVM/MVC architecture, DBMS, SQL, MySQL

**Certifications:** MERN Stack Fundamentals by Great Learning, AWS Certified Solutions Architect – Associate