

Kiran Manikonda

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Skills

Programming Languages: Java, Python, C#, JavaScript, TypeScript, SQL, HTML / CSS

Frameworks / Tools : React JS, Next.js, Node.js, .NET, Express.js, Docker, Postman, Azure Cloud, AWS, Git

Professional Experience

Software Engineer (TDP) | AT&T

Dallas, TX | July 2024 - Present

- Led UI-UX initiatives on my team by becoming their primary UI designer and collaborating closely with stakeholders to develop designs for the project's MVP. My work helped secure client approval in August, ensuring alignment with the Q4 delivery timeline
- Proposed and demonstrated a virtualized rendering strategy to improve application performance at production data volumes, allowing leadership to adopt the solution for broader use and meet scalability goals
- Built an automated notification system for real-time summary reports on code contributions, streamlining the code review process by eliminating knowledge silos and improving team productivity
- Oversaw the end-to-end integration of AT&T's global logon using OIDC authentication, achieving a critical milestone by meeting security requirements to begin user testing. Successfully advocated for stronger security protocols by proposing a solution that leveraged the project's recent migration to Azure to better safeguard application credentials.
- Proposed and led implementation of a dynamic routing solution for preserving client-side state between browser sessions, reducing database workloads and leading to a 6% reduction in the project's cloud costs
- Tools Used: React JS, Node.js, Express.js, Azure Cloud, TypeScript, Figma, Git

Software Engineer | EDUrain

St. Louis, MO (Remote) | Sept 2023 - July 2024

- Joined a Series-A startup as an early engineer, becoming the second full-time hire after the CTO. Led full-stack development for a live web service, delivering end-to-end implementation of core site features. Key responsibilities included creating design documentation, designing a responsive UI, developing the frontend, and integrating backend services within a microservice architecture.
- Led efforts to streamline mobile responsiveness across the site, significantly improving the mobile user experience. This initiative directly led to a 43% growth in mobile traffic between Dec 2023 and June 2024
- Developed a microservice for monitoring user payments and processing rental data for external clients. Worked with clients to meet data format specifications and ensure smooth integration with existing services
- Implemented a real-time messaging feature, facilitating in-app communication to boost user engagement. Utilized a websocket based approach to sync user state and provide users with a real-time chat experience
- Responsible for delivering regular tech updates during stakeholder meetings, ensuring alignment between technical progress and business objectives
- Tools Used: React JS, Next.js, Node.js, Express.js, AWS, Firebase, TypeScript, JavaScript, Tailwind CSS, Git

Software Developer Intern | Hidden

San Luis Obispo, CA (Remote) | Jan 2023 - Sept 2023

- Helped develop a scalable travel platform that matches users with local businesses, employing cross-platform tools to design, implement, and refine full-stack application features for both Android and iOS environments
- Responsible for integrating single sign-on authentication support, implementing multi-factor authentication, and incorporating privacy-by-design principles to ensure compliance with data protection requirements
- Tools Used: React Native, Node.js, JavaScript, React Native Testing Library, Figma Wireframes, Git

Research Assistant | Cal Poly Corporation

San Luis Obispo, CA | Oct 2022 - Dec 2023

- Developed a camera system for identifying defective fruit varieties using ML and computer vision. Created scripts to automate development bottlenecks to facilitate implementation of an MVP
- Tools Used: Java, Python, OpenCV, PyTorch, TFLite, Jupyter Notebook, Git

Education

California Polytechnic State University - San Luis Obispo

December 2023

Bachelor of Science in Computer Engineering

- Relevant Coursework: Data Structures, Object Oriented Programming, Systems Programming, Algorithms, Computer Networks, Database Systems, Operating Systems, Computer Security, Artificial Intelligence