

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

- Identified and addressed bottlenecks in application infrastructure by leveraging parallel data streams to efficiently handle high data volumes. Implemented benchmark criteria for performance testing, measuring an 84% reduction in response times and enabling the downgrade of Snowflake data warehouses to optimize costs
- Developed a caching service with the aim of reducing Snowflake egress costs. Expanded functionality to automate client onboarding tasks, reducing the project's projected maintenance costs by \$130,000 per year
- Led UI-UX initiatives on my team by becoming their primary UI designer during MVP development. Collaborated closely with stakeholders to develop designs encompassing the project scope. My work helped secure client approval in August 2024, allowing the project stay on track to meet the Q4 delivery timeline
- Oversaw end-to-end integration with AT&T's global logon via OIDC authentication. Responsible for managing security configurations regarding client-side application credentials to maintain project compliance
- 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
- Built an automated notification system as a side project to provide real-time summary reports on pull requests, reducing turnaround time and improving developer efficiency by providing visibility on code contributions
- Tools Used: React JS, Node.js, Express.js, Snowflake SQL, Figma, Git

Software Engineer | EDUrain

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

- Joined a Series-A startup as the second full-time hire. Responsible for full-stack development on a live web service, implementing core site features using Next.js, Node.js, and Firebase. Delivered key functionality that supported rapid user adoption, helping scale the platform to 10,000+ active users within six months of launch
- 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
- Acted as the primary client contact over a span of six months, providing technical updates in stakeholder meetings to maintain alignment between technical progress, business goals, and stakeholder expectations.
- Tools Used: React JS, Next.js, Node.js, Express.js, GCP Firestore, TypeScript, 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, 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