Kiran Manikonda

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Skills

Programming Languages: Java, Python, JavaScript, TypeScript, SQL, HTML / CSS
Frameworks / Tools : React JS, Next.js, Node.js, Express.js, Snowflake, Docker, Azure Cloud, GCP, Git

Professional Experience

Software Engineer (TDP) | AT&T   Dallas, TX | July 2024 - Present

- Proposed and led implementation of a unified client-server caching strategy to reduce outgoing Snowflake requests, improving application performance and cutting database load by ~10%. Expanded functionality to automate client onboarding tasks, driving $185,000 in annual cost savings and operational benefits.
- Identified critical bottlenecks in application infrastructure and developed a parallel data streaming solution that increased capacity and improved response times by 40% on a key service, saving a projected 45,000 user-minutes annually. Enabled the team to optimize Snowflake costs, leading to $120,000 in total savings.
- 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 to stay on track to meet the Q4 delivery timeline.
- Proactively identified service resiliency challenges and designed a solution automating server restarts, crash prevention, and Snowflake access recovery on an API server. This greatly improved system reliability, allowing the team to eliminate a recurring maintenance window and saving the company $90,000 annually.
- Served as the primary developer overseeing end-to-end integration with AT&T's global logon and Halo OIDC authentication, achieving a key security milestone and enabling the start of user testing. Proposed and led implementation of an API gateway to enhance security and streamline access management across services, enabling faster user onboarding and allowing real-time monitoring for rapid response to security incidents.
- Conducted 30+ technical interviews for software engineer candidates in the 2024-25 hiring cycle, evaluating coding and system design skills, providing detailed feedback, and driving informed hiring decisions.
- Tools Used: React JS, Node.js, Express.js, Snowflake, Azure Cloud, Figma, Git

Software Engineer (Contract) | 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.
- Spearheaded a site-wide initiative to streamline mobile responsiveness, greatly improving the mobile experience, driving a 43% rise in mobile traffic from Q4 2023 to Q2 2024 and a 26% rise in overall usership.
- 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.
- 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

- Developed core site features for a scalable SaaS platform, leveraging cross-platform tools to design, implement, and refine full-stack functionality and enhance the user experience across both Android and iOS.
- 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.
- 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 an embedded system integrating ML object detection, contributing to model training and optimization. Automated development workflows, enabling MVP implementation and launch in Jan 2024.
- 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