

Kiran Manikonda

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Skills

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

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

Professional Experience

Software Engineer | EDUrain

St. Louis, MO (Remote) | Dec 2023 - Present

- Responsible for full-stack development on a live web service, delivering end-to-end implementation of additional features and iterations. Responsibilities include creating design documentation, designing a responsive UI, developing the frontend, and integrating backend services into a microservice architecture
- Architected, designed, and implemented a service for automating rental background checks as the primary developer. This feature became a paid service, contributing 6% of the company's revenue in May 2024
- 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
- Helped conduct technical interviews to assess candidate skills and was responsible for delivering regular tech updates during investor meetings, ensuring alignment between technical progress and business objectives
- Tools Used: React JS, Next.js, Node.js, Express.js, Firebase, AWS, TypeScript, JavaScript, Tailwind CSS, Git

Software Engineer Intern | EDUrain

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

- 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 and boosting user engagement. Utilized a websocket based approach to sync user state and provide users with a real-time chat experience
- Configured a non-prod testing environment in AWS, streamlining deployment and facilitating test automation
- Tools Used: React JS, Next.js, Node.js, Express.js, Firebase, AWS, 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 that helps farmers at a local vineyard identify defective grapes 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

Software Developer Intern | Along Comes Hope

San Luis Obispo, CA | June 2022 - Aug 2022

- Developed the frontend for a Software as a Service platform, integrating third party APIs, implementing responsive design, and collaborating with backend developers to incorporate RESTful services into the app
- Tools Used: React JS, JavaScript, HTML / CSS, 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

Projects

Bug Tracker (Personal Project) | ASP.NET, React JS, C#, JavaScript, SQLite, Docker, Google Cloud Platform
<https://bug-tracker-km.vercel.app>

- Developed a project management tool tailored for developer teams. Features include a collaborative bulletin board, user management, interactive usage metrics, real-time notifications, and a rollback feature that allows admins to undo previous changes. Streamlined deployment by hosting the backend as a Docker container