sai nikitha sheerka

✉ sainikithasheerka@gmail.com 📞 (813) 697-7300 📍 Seattle, WA in linkedIn ●● Medium ○ GitHub 🔗 Portfolio

Professional Experience

Software Engineer, *Itential*   Jun 2024 – present │ Seattle, WA
- Developed 30+ UI components in **ReactJS** with **TypeScript**, **Redux**, **context-API**, **mixpanel**, **SCSS**, **charsJS**, and **Highcharts**. Provided detailed documentation for configuration and implementation.
- Utilized **ASP.NET** ⎘ Web API in .NET Framework 4.5 with **C# OOP** for application development, creating **RESTful** web API endpoints for **React** frontend consumption.
- Built a **SCSS** library for global use, offering 20+ mixins, and media queries for responsive design.

Software Engineer Intern, *PARC*   May 2023 – Aug 2023 │ Palo Alto, CA
- Revamped the Delivery Partners Integration platform, leveraging **Next.js**, achieving a commendable 20% reduction in business service tickets, thus optimizing operations and improving efficiency.
- Translated 25+ wireframes into responsive, interactive features using **React.js**, **TypeScript**, and **Tailwind CSS**.
- Developed and maintained frontend components for an e-commerce platform using **React**, **Redux**, and **TypeScript**, resulting in a 30% improvement in page load times.

Graduate Teaching Assistant, *University of South Florida*   Aug 2022 – May 2023 │ Tampa, FL
- Built an interactive augmented reality application that transformed the pedagogy of linear algebra, resulting in a remarkable 70% surge in student engagement and a notable 35% boost in test scores.
- Developed a responsive and user-friendly **React** application to enhance the overall user experience and accessibility of the **AR** learning platform.

Full Stack Developer, *Microland Limited*   Jun 2020 – Jul 2022 │ Hyderabad, India
- Transformed the customer-facing web application by revamping the frontend with **React**, **Redux**, **TypeScript**, and **Tailwind CSS**, resulting in a 50% increase in user engagement.
- Implemented responsive design techniques and **SCSS** for improved **UI/UX**, resulting in a 25% reduction in bounce rates.
- Led the development of cross-platform mobile applications for iOS and Android using **React Native**, enhancing the user interface with custom components and achieving a 40% improvement in data visualization.
- Utilized **Redux** DevTools and other debugging techniques to identify and resolve state management issues, contributing to a 35% decrease in state-related bugs and issues.

Skills

Programming Languages — Go, JavaScript, Python, JAVA, Swift, TypeScript, C++, C#, Dart

Databases and Cloud Technologies — MySQL, MongoDB, Redis, Postgres, AWS EC2, RDS, S3

Frameworks — React JS, React Native, Spring, Spring Boot, Node JS, Kafka, Vue, Angular, Redux, Express, Flask, TensorFlow

Tools and Technologies — HTML5, SCSS, CSS, REST, Git, WCAG, Jest, Figma, Jira, Azure DevOps, Docker, Netlify, Vercel

Projects

Etsy, *Node.js, React.js, Redux, MongoDB, MySQL, Kafka, JAVA* ⎘
- Achieved a 25% performance improvement through frontend optimizations, reducing load times and enhancing user satisfaction.
- Built an end-to-end responsive and interactive e-commerce web application using the **MERN stack**, focusing on the frontend with **React.js** and **Redux**.

Stackoverflow, *React.js, Redux, Node.js, Express, MySQL, Web Sockets* ⎘
- Developed a 3-tiered distributed and scalable web application simulating Stackoverflow, emphasizing the frontend using **React.js** and **Redux**.
- Applied Agile Scrum principles, maintaining sprint sheets and project journals to enhance productivity.

Shopwell, *Cross-platform Mobile Application that deciphers product labels and analyzes the health impact of food products.* ⎘
- Collaborated with the team to implement advanced **CSS** techniques, including **SCSS** and **Tailwind CSS**, resulting in a 30% improvement in user engagement.
- Developed the application using **React Native**, ensuring cross-platform compatibility for both iOS and Android.

QuickSolve Sudoku, *Python, Flask, HTML, CSS, JavaScript* ⎘
- Achieved a 70% reduction in solving time for complex puzzles compared to traditional methods, significantly improving user satisfaction.
- Utilized **Python (Flask)**, **HTML**, **CSS**, and **JavaScript** to build a responsive and efficient web application.

Education

Master of Science in Business Analytics and Information Systems,   May 2024
University of South Florida, Tampa,FL

Bachelor of Technology in Information Technology,   May 2020
Jawaharlal Nehru Technological University, Hyderabad, India

Publications

Immersive Augmented Reality experience for Newspapers, *Journal of figshare* ⎘
This journal explores the integration of augmented reality (AR) technologies, such as computer-generated imagery, to create immersive newspaper experiences.

Achievements

- Assisted teaching Life and Survival skills to 70+ kids as a volunteer at Adventure Camp for over 2 years.