

Sidharth Hejamadi

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EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Computer Science and Statistics — GPA: 3.96/4.00

Urbana, IL

Aug. 2023 – May. 2026

EXPERIENCE

Technical Product Manager

August 2024 – Present

FoodRecovery.org

Champaign, IL

- Led a cross-functional Agile team of 9 engineers and designers, utilizing Scrum methodologies to develop a scalable React Native Expo application. This app connected food donator truck drivers with local organizations, achieving a 35% increase in donation match rates and reducing food waste by 20% in the first quarter post-launch.
- Managed the full Agile project lifecycle, including sprint planning, daily stand-ups, and retrospective meetings, ensuring the delivery of high-quality features on time and within scope, resulting in 99.9% app uptime and seamless real-time matching of donations.
- Integrated Firebase as the backend for user authentication, real-time updates, and push notifications, improving system latency by 40% and ensuring secure, scalable data synchronization across both iOS and Android platforms.

Software Engineering Intern

June 2024 – August 2024

Paraillel AI

Remote

- Engineered a dynamic client-side routing architecture using React Router DOM, ensuring optimal user navigation and efficient component rendering.
- Designed and developed a library of 15+ reusable, modular components, enhancing the scalability and maintainability of the application.
- Implemented AI-driven features in Flask, integrating machine learning models for content generation, and seamlessly connecting them with React-based frontend components.
- Optimized API endpoints for real-time data processing, reducing latency by 30%, and enabling swift AI inference and user feedback loops.

Frontend Developer

Jan 2024 – May 2024

OpenAQ (Hack4Impact)

Champaign, IL

- Engineered and implemented the onboarding user flow using SCSS and SolidJS, ensuring users learned about our AQI tools.
- Developed a suite of 5+ highly reusable components for dynamically displaying AQI data across multiple countries, contributing to the scalability of the platform.
- Designed intuitive and visually appealing user interfaces in Figma, translating design concepts into high-fidelity screens that improved user interaction and accessibility.

PROJECTS

TeamPay | React, TypeScript, Supabase, PostgreSQL, Tailwind

June 2024 – July 2024

- Architected a comprehensive full-stack web application leveraging React for dynamic UI, and Supabase for backend services, streamlining payroll management for business owners.
- Integrated Supabase Realtime Subscriptions to achieve a 72% reduction in latency, enabling instantaneous updates to payroll data.
- Engineered and optimized complex relational databases using PostgreSQL, enhancing data integrity and query performance.
- Collaborated with two businesses to deploy TeamPay, resulting in a 300%+ improvement in payroll efficiency by automating manual processes and reducing operational overhead.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, SCSS, R, Dart, Bash

Frameworks: Angular, React, Next.js, Node.js, Flask, ShadCN, FastAPI, Supabase, Firebase, Express.js

Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, IntelliJ, Eclipse, Figma

Libraries: pandas, NumPy, Flutter, Redux, Axios

Databases: PostgreSQL, MySQL, MongoDB, SQLite, Firebase Realtime Database

APIs: REST, GraphQL, WebSockets, OAuth