

Harsh Sangani

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Work Experience

Software Development Engineer, D2C Mobile App | Equifax, United States 04/2025 - Current

- Designed and implemented a production feature in a large-scale React Native codebase, owning component logic, API integration, and analytics instrumentation, resulting in an 18% increase in feature engagement after release.
- Debugged and resolved a critical iOS authentication failure impacting ~12% of active users by analyzing logs, event gaps, and runtime behavior, reducing login-related complaints by 40%.
- Integrated and leveraged GA4, Firebase Analytics, and Datadog to improve system observability, enabling faster root-cause analysis and contributing to an App Store rating improvement from 3.9 → 4.8.
- Refactored feature flows using Microsoft Copilot to accelerate code iteration, improve error handling and edge-case coverage, and reduce post-release defects and rework by 30% across sprint cycles.

Software Engineer | Pycube, United States 02/2025 – 04/2025

- Built and shipped reusable React components for data-intensive dashboards, leveraging Cursor AI to accelerate component development, refactoring, and consistency while integrating backend APIs across 8+ enterprise healthcare projects.
- Implemented metric calculations and data visualization logic that supported a successful \$75,000 pilot deployment with a regional medical facility.
- Optimized rendering and state management in complex views, improving dashboard performance and reducing UI-related defects during production rollout.

Software Engineering Intern | Primary Yellow, United States 10/2024 - 12/2024

- Developed and released 5+ production UI enhancements using React and JavaScript, contributing directly to customer-facing feature updates.
- Built a reusable component library aligned with engineering standards, reducing duplicated logic and cutting frontend development time by 17%.

Software Engineering Intern | Trium Info Solutions Pvt. Ltd, Mumbai, India 06/2021 - 10/2021

- Developed and deployed 3 production websites using Next.js and Tailwind CSS, leveraging server-side rendering and static generation, and integrating backend APIs to serve dynamic content, improving performance, SEO, and user engagement by 35%.
- Implemented and consumed backend services for form submissions and content updates using Node.js based APIs, applied SEO-focused optimizations (metadata, semantic markup, performance tuning), and debugged cross-browser and device compatibility issues to improve release stability and reduce post-launch fixes.

Projects

Buzzit - Student Marketplace | Product Strategy & E2E Delivery 01/2025

- Designed, built, and delivered an end-to-end marketplace MVP using React Native and Supabase, implementing core flows for onboarding, listings, and service discovery, defining database schemas and API interactions, and shipping a production-ready application that reduced unnecessary feature development by 40%.
- Instrumented application events and implemented error handling and edge-case management across critical flows, using **Codex** to accelerate frontend development, API scaffolding, and refactoring, improving task-completion success rates by 27%.

Clinical trials Dashboard – SAAS Data Platform | Product Design & Development 06/2024

- Designed and delivered an end-to-end clinical trials dashboard using React.js and Supabase, implementing authenticated access, modular data visualizations, and SQL-backed APIs to support scalable clinical data analysis.
- Built scheduled alerting and export workflows (CSV/PDF), structured relational schemas for reliability and extensibility, and optimized data queries to ensure consistent daily data delivery and performant dashboard loads.

Education

Master of Science in Human Computer Interaction 08/2023 - 08/2025

Iowa State University | Ames, Iowa, United States | GPA: 3.84/4

Bachelor of Technology in Information Technology 08/2019 - 05/2023

Dwarkadas J. Sanghvi College of Engineering (Mumbai University) | Mumbai, India | GPA: 3.55/4

Skills & abilities

- **Programming Languages:** JavaScript, TypeScript, Python, Java
- **Frontend:** HTML, CSS, React.js, React Native, Next.js, Tailwind CSS
- **Backend & Databases:** Node.js APIs, REST services, Supabase, Firebase, SQL, NoSQL
- **Engineering Fundamentals:** OOP, Data structures, Algorithms, API design, Error Handling, Performance Optimization
- **Cloud & Observability:** CI/CD Fundamentals, Environment-based Deployments, Datadog, GA4, Firebase Analytics
- **Product & UX Design:** Interaction Design, Information Architecture, Usability Principles, Accessibility Basics, Design Systems, Prototyping, Figma.
- **Development Practices:** Agile/Scrum/Kanban, Git/GitHub, Code Reviews, Debugging, Unit Testing
- **AI-assisted development:** Microsoft Copilot, Cursor AI, Codex