

# Vivek Amarnani

[viveksamarnani@gmail.com](mailto:viveksamarnani@gmail.com) | [vivekamar.pages.dev](http://vivekamar.pages.dev) | [github.com/vivek5a](https://github.com/vivek5a)

## Experience

---

### Mobile Application Developer, STHealth Integrators – Houston, Texas

June 2025 – Present

- Designed and built iOS (SwiftUI) and Android (Kotlin) companion applications for a smart wearable health device, owning the full product lifecycle from Figma prototypes through production MVP.
- Architected NoSQL database schema for sensitive user health data and leg migration from MySQL, ensuring data integrity and secure access patterns across cloud infrastructure.
- Delivered production MVP with real-time biometric data streaming, health insights, and a social goal-tracking system.

### Freelance Web Developer, UI/UX Designer, VSA Websites – Houston, Texas

December 2015 – Present

- Delivered 13 production web applications built with React, TypeScript, WordPress, and more, deployed on AWS and Cloudflare services.
- Scoped requirements, designed UIs in Figma, and shipped full-stack solutions integrating REST APIs, PostgreSQL and NoSQL databases, and responsive frontends with Tailwind CSS.
- Managed ongoing client relationships across local businesses and non-profits, iterating on feedback gathered from A/B testing and surveys and maintained production applications post-launch.

### Technology Intern, MOURI Tech – Irving, Texas

May 2023 – August 2023

- Developed internal onboarding tool using ReactJS, contributing 28% of all GitHub contributions team-wide.
- Trained the DeepLog ML model across 20+ datasets, improving anomaly detection accuracy for cloud infrastructure monitoring.
- Integrated predictive anomaly detection into production log analysis pipeline, enabling proactive identification of system failures across large-scale cloud environments.

## Projects

---

### Wristy - Privacy First Social Platform for Watch Enthusiasts

[vivekamar.pages.dev/work/wristy](http://vivekamar.pages.dev/work/wristy) [wristy.app](http://wristy.app)

- Built full-stack social platform with real-time messaging, community groups, and media sharing servicing 50+ closed-beta users.
- Engineered NoSQL architecture with Firestore, authenticated Cloud Functions endpoints, and CloudFlare R2 media storage via signed upload/download URLs.
- Designed transparency-first local/cloud data handoff system where media and content persist on-device until explicitly published, posts auto-expire for data minimization, and users can audit all cloud-stored and device-stored data on demand with one click.

### Paysa - Personal Finance Software

[vivekamar.pages.dev/work/paysa](http://vivekamar.pages.dev/work/paysa)

- Developed a TypeScript/Node finance application featuring P&L statements, invoice generation, payroll processing, and categorized transaction tracking.
- Designed PostgreSQL database schemas with Supabase for secure handling of financial records and easy import and export of data in CSV, XML, JSON, and PDF formats.

### Timket - Collaborative Ticket Management Software

[vivekamar.pages.dev/work/timket](http://vivekamar.pages.dev/work/timket)

- Built a macOS ticket tracking application in SwiftUI with Firestore-backed shared projects and real-time project collaboration, actively in use to manage development of personal projects.
- Designed and shipped the full application in a 2 day sprint with a 7-status kanban board, drag-and-drop workflows, inline ticket composer with @mention assignment and #tag parsing, custom priority weight levels, and a role-based access system with password-protected project sharing.

## Education

---

### Texas A&M University – BS in Computer Engineering, Minor in Mathematics

August 2020 – August 2024

- Cloud Computing, Parallel Computing, Communication and Cryptography, Reverse Software Engineering, Database Systems, Fourier Systems and Wavelets

## Skills

---

**Design:** Figma, Adobe Design Suite, WebFlow, WordPress, Wireframing, Prototyping, Responsive Design, Accessibility

**Technologies:** SwiftUI, ReactJS, React Native, Angular, NodeJS, Tailwind CSS, AWS, Kubernetes, PostgreSQL, Git, Jira

**Languages:** TypeScript, JavaScript, Python, C++, C#, Java, PHP, HTML, CSS

## Relevant Links

---

[Portfolio](#) [Personal Blog](#) [Digital Magazine](#) [Wristy.app](#)