Kevin Vu

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Education

University of Houston, Houston, TX   Aug 2020 – May 2024
- *Bachelor of Management Information Systems*

Skills & Technologies

Languages: TypeScript, JavaScript, Python, C#, Java, SQL
Frontend Development: React, React Native, Next.js, Vite, Tailwind CSS
Backend Development: Node.js, Express.js, Prisma, REST APIs, .NET, OAuth/JWT
Databases: PostgreSQL, Cloud Firestore, Supabase, Planetscale
DevOps & Deployment: Docker, GitHub Actions, Vercel, Google Cloud Platform
AI/ML Tools: PyTorch, Ollama, OpenAI, Google Gemini
Testing & Tools: Jest, Postman

Experience

Software Engineer, HawkHacks – Waterloo, ON   Aug 2023 – June 2024
- Developed a full-stack dashboard application with a respective landing page using **ReactJS**, **Node.js**, and **Firebase**, contributing to a **56% increase in application submissions from 2022 to 2024**.
- Developed service functions using **Typescript** to efficiently query **1289 applications** into **Firestore**, significantly improving data organization and flexibility.
- Collaborated with engineering team in the development of a secure RSVP system with QR code integration and digital wallet support, leading to high attendee check-in rate with **900 unique RSVPs and 2500 scans** throughout the event weekend.
- Redesigned and optimized **React TypeScript** components with **Tailwind CSS** through close collaboration with the design team via **Figma**, improving interface usability and aesthetics.

UI/UX Developer, Spiritual Care Network (University Client) – Houston, TX   Jan 2024 – May 2024
- Optimized and designed website UI/UX through landing page, information pages, and forms using **Wix CMS** to accommodate for accessibility, readability, and consistency inline with the organization's visual appeal.
- Regularly presented and directed design changes to upper management to unify the higher level strategic goals of the organization with the low level technical goals of the design team.
- Connected clients' customer information, totaling over **10,000 customers**, to the **Constant Contact CRM** system for easy access and future reference.

Projects

Project Arcs
- Developed and deployed a Discord application leveraging **Typescript**, **Discord.js**, **Next.js**, and **Google Gemini Flash 2.0**, for API-driven automation and user data management.
- Designed and implemented a secure, scalable **PostgreSQL** database using **Supabase** with Row-Level Security (RLS), achieving a 30% reduction in server-side latency.
- Led a team of 4 developers to design and develop frontend **React** components and backend features, utilizing **Kanban** project management fundamentals.

ShopSentry
- Developed a store stock checker and notifier for sniping in-demand retail products with **Python**
- Utilized **BeautifulSoup** and **EmailMessage** for real time availability checking via email

Portfolio
- Animated personal portfolio website, built with **Next.js** and **Framer Motion**