

Kevin Vu

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Education

University of Houston, Houston, TX

Aug 2020 – May 2024

- *Bachelor of Management Information Systems (MIS), Software Development Track*

Skills & Technologies

Languages: TypeScript, JavaScript, Python, C#, Java, SQL

Frontend Development: React (Next.js, Vite), Tailwind CSS, Redux, shadcn/ui, Framer Motion, Three.js

Backend Development: Node.js, Express.js, Prisma, REST APIs, .NET, OAuth/JWT

Databases: PostgreSQL, Supabase, Cloud Firestore, Planetscale

DevOps & Deployment: Docker, GitHub Actions, Vercel, Google Cloud Platform

AI/LLM Integration: Google Gemini, OpenAI API

Testing & Tools: Jest, Postman

Experience

Software Developer & Project Lead, Project Arcs – Houston, TX

Jan 2025 – Present

- Engineered and deployed a Discord-based app using **TypeScript**, **Discord.js**, and **Google Gemini**, automating API-driven user data management and cutting processing time from **hours to seconds**.
- Implemented efficient caching strategies to minimize redundant API requests, achieving up to a **50% performance increase**.
- Designed and implemented a secure, scalable **PostgreSQL** database using **Supabase** with Row-Level Security (RLS), **reducing server-side latency by 20%**.
- Led a team of 4 developers to build frontend **React** components and backend features, utilizing **Kanban** methodologies to streamline project execution.

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 hackathon application submissions from 2022 to 2024**.
- Built **TypeScript** service functions to streamline querying **1,289 attendee applications** in Firestore, enhancing 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**.
- 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 (Part-Time), Spiritual Care Network – 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.

Projects

ShopSentry

- Developed a **Python**-based stock checker and notifier for tracking in-demand retail products, automating product tracking and notifications for an improved shopping experience.
- Utilized **BeautifulSoup** and **EmailMessage** for web-scraping and real time availability checking via email.

Portfolio

- Built an interactive portfolio with **Next.js** and **Framer Motion**, incorporating audio/visual elements.