

# 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 Engineer*, HawkHacks – Waterloo, ON

Aug 2023 – June 2024

- Developed a full-stack dashboard application with a respective landing page using **ReactJS**, **Node.js**, and **Firestore**, 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 & Leadership

*Project Arcs, Founder & Lead Developer*

- Engineered and deployed a Discord-based app using **TypeScript**, **Discord.js**, and **Google Gemini**, automating API-driven user data management, cutting processing time from **hours to seconds**.
- Implemented efficient caching strategies to **prevent rate-limiting** when fetching data for server casting, leading to improved system reliability by **reducing delays and request throttling**.
- Designed a secure, scalable **PostgreSQL** database using **Supabase** with Row-Level Security (RLS), **reducing server-side latency by 30%**.
- Led a team of 4 developers to build frontend **React** components and backend features, utilizing **Kanban** methodologies to streamline project execution.

*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.