

Yukash Sivaraj

Personal Portfolio: <https://personal-projects-silk.vercel.app/>

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Professional Summary

A dedicated Software Developer with comprehensive experience in both front-end and back-end development, recently focused on private client projects using modern frameworks and design tools. Known for a strong problem-solving mindset and a commitment to leveraging technology for impactful solutions, with experience developing secure, scalable software in agile environments. Enthusiastic about contributing expertise in software engineering to innovative projects that drive meaningful change.

Work Experience

Software Developer | PS Design Studio | May 2024 – August 2024 (Contract)

- Developed seven custom websites from scratch, using HTML, Tailwind CSS, and JavaScript, all delivered with a CMS backend.
- Engineered front-end components and custom APIs, integrating data from Runway and Statamic CMS using Vue.js, Nuxt.js, GraphQL, Tailwind CSS, PHP, and Laravel.
- Reorganized a complex Laravel Nova database, reducing query complexity by 50%, enhancing site performance and client data access.

Software Engineer Intern | SideChef | February 2024 - May 2024

- Built 220+ test case automations for web and mobile, using Playwright, TypeScript, WebDriver IO, Appium, Android Studio, and Xcode.
- Developed usability solutions using Vertex AI and Claude 3, collaborating closely with a seven-person agile team.

Project Supervisor/Tutor | University of Melbourne | February 2024 - May 2024

- Mentored four agile student teams, guiding them through real-world software projects with external clients.
- Evaluated student projects and coached teams on tools like Confluence, GitHub, Trello, and Jira.

Private Project for Rebecca Yeoh Music

- Designed and deployed a professional music website using Next.js, React.js in TypeScript with Framer Motion, and Next UI for a seamless, visually engaging user experience. [View Project](#)
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Education

- **Master of Information Technology: Distributed Computing** | *University of Melbourne* | July 2022 – Dec 2023
 - **Bachelor of Science in Computing and Software Systems** | *University of Melbourne* | Feb 2019 - July 2022
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Projects

- **OpenAI Integrated Chatbot: Interactive chatbot built with Next JS, React, and OpenAI.**
 - **Twitter Sentiment Analysis: Used CouchDB and MapReduce for large-scale sentiment data processing.**
 - **Safe Circle Android App: Mobile safety app with Firebase, Google Maps API, Kotlin, and Jetpack Compose.**
 - **CRM Web Application: Developed with React, Node.js, Express, and Google Calendar API.**
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Voluntary Experience

- **Vice President**, Inter-Collegiate International Student Committee
 - **Treasurer**, Executive Committee (International House Student Club)
 - **Orientation Week Leader**, International House Student Club
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Technical Skills

- **Full Stack Development:** Skilled in front-end and back-end using JavaScript, TypeScript, Python, SQL, and frameworks like Next.js, React.js, and Laravel Nova.
- **API & Database:** custom API design, database management with GraphQL, REST
- **CI/CD & Cloud:** Proficient in CI/CD workflows (Ansible) and cloud deployment for reliable applications.
- **Agile & Collaboration:** Knowledgeable in agile practices with tools like Confluence, Trello, Jira, and Git for teamwork.
- **UI/UX & Testing:** Expertise in responsive design with Framer Motion and Next UI, and test automation with Playwright.