Yukash Sivaraj

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

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Professional Summary

Aspiring software developer with strong proficiency in software/web development and a passion for AI and learning new technologies. Skilled in both frontend and backend development, with hands-on experience in agile environments. Eager to contribute to a growing company by developing innovative solutions and enhancing software applications.

Work Experience

Software Developer |*Contract*| *PS Design Studio* | May 2024 – August 2024
- Successfully developed 7 custom websites from scratch using HTML, Tailwind CSS, and JavaScript, all completed in under 2 weeks, with a flexible CMS backend for seamless client customization.
- Designed and implemented frontend components and custom APIs for a large-scale site, integrating data from Runway and Statamic CMS using Vue.js + Nuxt.js, GraphQL, Tailwind CSS, PHP and Laravel.
- Reengineered a Laravel Nova database, seamlessly integrating data from Runway, optimizing SQL queries, and reducing database complexity by nearly 50%. (PHP, ORM, Laravel, Laravel Nova)

Software Engineer Intern | *SideChef* | February 2024 - May 2024
- Completed 220+ test case automation for the company's web and mobile applications using Playwright, TypeScript, WebDriver IO, Appium, Android Studio, and Xcode.
- Developed solutions using Gemini (Vertex AI) and Claude 3 to enhance website usability.
- Collaborated with a diverse 7-person agile team based in China.

Project Supervisor/Tutor | *The University of Melbourne* | February 2024 - May 2024
- Mentored four agile teams, guiding them on agile methodologies with real-world clients.
- Facilitated communication between clients and student teams.
- Assessed students on using industry-standard tools such as Confluence, GitHub, Trello, and Jira.

Other Work Experience
- **Customer Service Coordinator**, UniLodge Australia (February 2022 – January 2024)

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

Projects

- **OpenAI Integrated Chatbot:** Built a chatbot for simple interactions with Markdown-rendered responses, showcasing integration with AI technologies. **(Click to go to chatbot!)** (React, Next JS, Vercel, OpenAI)
- **Tic Tac Toe AI Game:** Developed a Tic Tac Toe game where users can play against an AI opponent, applying simple AI algorithms for strategic gameplay. **(Click to Play!)** (React, Next JS, Vercel, Typescript)
- **Safe Circle Android App:** Built in a 6-person agile team using Firebase, Google Maps API, Kotlin, and Jetpack Compose.
- **Web Application Widgets:** Developed custom widgets as part of a 5-person agile team using Next.js, Express.js, Node.js, Firebase, and Canvas API.
- **CRM Web Application:** Created as a final year project using React.js, Node.js, Express.js, and Google Calendar API.
- **Distributed Whiteboard Application:** Developed with Java, using sockets and threading for multithreading.

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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Additional Skills

Proficient in OOP, SQL, relational databases, Java, Python (Pandas, NumPy), C#, and JavaScript. Experienced with HTML, Tailwind CSS, Bootstrap, GIT, version control systems, and the Atlassian Workspace suite. Skilled in Agile methodologies, custom API development, and integrating AI technologies.