William Liu

Full-stack Developer

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SUMMARY

Coding enthusiast with 3 years of computing and problem-solving experience in the healthcare industry. Currently working as a freelance Full-stack Developer, experienced with SDLC, OOP, database design, and agile methodologies.

TECHNICAL SKILLS

Languages [JavaScript, Python, Java, SQL, HTML, CSS**] Frameworks [**React, Next.js, Express.js, Flask, Bootstrap, Tailwind**] Databases [**MongoDB, MySQL, Firebase**] Server Management [**AWS EC2, Nginx, Git, Gunicorn, PM2**]**

TECHNICAL PROJECTS

Devbud | *Full-stack React Developer* | [devbud.wlliu.com](#) | [Github](#)
MERN-based all-in-one video chat and coding platform

- Developed a single-page application utilizing React, Express, MongoDB, and Node.js, resulting in a streamlined user experience.
- Incorporated visually appealing UI design through the utilization of npm libraries and tailwindCSS.
- Implemented Agile development methodologies and utilized Agora's Web-RTC and RTM technologies as part of a two-person team to achieve a minimum viable product
- Utilized Firebase storage system and NoSQL database for data management.

Personal Portfolio | *Front-end Next.js Developer* | [wlliu.com](#) | [Github](#)
Next.js-based portfolio page with built-in chatbot

- Designed and implemented fully responsive layout utilizing CSS3 and animations for optimal user experience across all devices.
- Optimized website for search engine visibility through implementation of SEO techniques.
- Utilized parallax scrolling and sticky navigation for enhanced user experience.
- Utilized GPT-3 API and trained it using prompt engineering techniques for generating personalized responses.

Mediatrac | *Full-stack Python Developer* | [mediatrac.wlliu.com](#) | [Github](#)
Python/Flask-based app for tracking Movies/TV shows

- Relied on Flask-based MVC framework for fast back-end development and full responsive UI.
- Integrated IMDb API and real-time search function for users to conduct efficient searches and seamlessly experience storing movies/TV show information.
- Designed and implemented a many-to-many relational database using MySQL, which enabled users to effectively comment, rate, and track the progress of collections.

PROFESSIONAL EXPERIENCE

Johnson & Johnson | *Clinical Engineer*   2020-2022

- Provided computing and technical support for cardiac ablation procedures in the Electrophysiology (EP) lab, successfully supported over 900 cases. Utilized advanced debugging techniques to effectively troubleshoot complex issues, resulting in a significant decrease of 75% in customer complaints.
- Achieved 1st place in multiple technical training programs, showcasing exceptional aptitude for learning and mastering new skills. Obtained Allied Professional Certified Electrophysiology Specialist(CEPS) certification from the International Board of Heart Rhythm Examiners(IBHRE) in an accelerated time frame of 1 year, which is typically required 3+ years of experience.
- Developed and delivered training programs for new employees as a certified Asia-Pacific Virtual Mentor, achieving a 100% pass rate for 4 juniors in the advanced technical training exam. Utilized personalized tutoring methods and strong leadership skills to address individual strengths and weaknesses, resulting in the success of the training program.

EDUCATION

Software Development Certificate | Coding dojo | San Jose, CA   2022

Bachelor of Pharmacy | Taylor's University | Malaysia   2015 - 2019