Hugo Lam

Proficient Software Engineer with a passion for developing innovative front-end solutions, excelling in integrating cutting-edge technologies for enhanced user experiences.

hugolam922@gmail.com
github.com/clonglam
hugo-coding.com

Relevant Experience

Full-Stack Developer • Astral RE Services   Sep 2022 — Sep 2023

- Spearheaded the development of a comprehensive customer loyalty system using React.js for a seamless front-end experience and Spring Boot for a robust back-end, enhancing customer engagement and retention.
- Played a pivotal role in the design, coding, testing, and deployment phases, ensuring the loyalty system was scalable, maintainable, and met all business requirements.
- Managed the integration of RESTful APIs and third-party services into the loyalty system, providing a seamless data flow and enhanced features.
- Conducted thorough quality assurance and debugging, leading to an intuitive user interface and reliable performance, contributing to increased customer satisfaction.

Software Engineer • Wise Technology   Oct 2019 — Nov 2021

- Led the development of intuitive front-end interfaces and control dashboards for a diverse range of home automation components, significantly improving user experience and control efficiency.
- Collaborated closely with back-end developers to establish a cohesive and responsive system architecture that maintains real-time communication with various controllers.
- Actively participated in user research and feedback sessions to gather insights and translate them into actionable improvements, driving ongoing product enhancement.

Frontend Developer • Printing World Ltd   May 2018 — Oct 2019

- Developed, maintained, and shipped high-quality production code for client websites, leveraging a robust stack including WordPress, Advanced Custom Fields (ACF), SASS, CSS, HTML, JavaScript, and jQuery.
- Conducted comprehensive quality assurance testing across multiple browsers to ensure flawless functionality and responsiveness, delivering a consistent user experience on desktop and mobile platforms.

Selected Projects

OCR Sudoku Solver

- Self-Training OCR Model: Developed a self-improving OCR model specifically for Sudoku puzzles, achieving a notable accuracy rate of 74%, which enhanced the app's ability to interpret and solve puzzles from user-uploaded images effectively.
- Next.js 14 and AWS Deployment: Leveraged the latest Next.js framework to deliver a seamless user experience for playing and solving Sudoku puzzles, coupled with a robust AWS ECR deployment, ensuring secure, scalable, and reliable access to the application.

A.IELTS

- AIELTS Introduction: AIELTS is an advanced e-learning platform that utilizes Next.js and the ChatGPT API to offer practice questions and automated grading for IELTS preparation.
- Enhanced Learning with Automated Essay Generation: The platform utilizes the linguistic analysis prowess of ChatGPT to generate high-scoring sample essays

Skills

Programming Languages
JavaScript, TypeScript, Java, Python, HTML, CSS, Sass

Frameworks & Libraries
React, NextJs, Spring Boot, Express, React Native, Tailwind, Redux, JPA

Tools & Platforms
Git, GitHub, AWS, Vercel, WordPress, Docker, Webpack, RTL, Storybook, Figma

Education

Hong Kong Baptist University
Bachelor of Communication in Media Arts

Certifications

AWS Certified Developer – Associate
AWS Certified Developer, expert in deploying scalable, cloud-based solutions and applications.

Interests

Running, Team fight tactics, Cooking, Algo trading