VINCE LOH

Australia, Melbourne

📞 +61 403 779 737   ✉ vince.lohys@gmail.com   in LinkedIn   ⭗ Github   Portfolio

Technical Skills

Languages: Python, Java, C ++, C #, JavaScript, SQL, Solidity, Kotlin
Developer Tools: VS Code, Tailwind, FastAPI, NumPy, Pandas , Android Studio, React
Technologies/Frameworks: React, VueJS, .NET, GitHub, Jira, Confluence, Docker, AWS, StackOverflow

Experience

AdiraTec Pty Ltd
Front End & Web Content Developer - Contract
June. 2024 – January. 2025

I collaborated with the ADIRATEC team to design and develop their company's responsive website, I have implemented dynamic features like interactive service pages and contact forms, updated content such as service descriptions to reflect core values and sustainability goals, and optimized performance with AWS hosting for scalability and a seamless client experience.

Troche - Medtech
MERN Stack Developer
Nov. 2023 – Oct. 2024

I together with the development team in Troche had developed a full-stack diabetes management solution, utilizing the MERN stack by integrating MongoDB to store data, Express.js and Node.js for server-side APIs to sync hardware with a mobile app, and React for a responsive user interface, while collaborating with AWS and healthcare partners like Reece Group and LaunchVic to prototype, test, and deploy scalable tech solutions.

Autocoach Pty Ltd
Region Technical Specialist - Internship
May 2023 – Sept 2023

Autocoach Pty Ltd is an Australian company specializing in advanced sports software applications, particularly for swimming. Their products provides real-time performance feedback and analytics, catering to the needs of athletes, coaches, and sports institutions to optimize training and competitive performance.

During my three-month internship, I addressed technical issues from customers in South East Asia, providing detailed reports to the development team. I offered technical assistance and support to customers using Autocoach Sports software, participated in system integration and testing, and collaborated with the team to identify and resolve bugs.

A key part of my role involved working with Ang Peng Siong, Singapore's Swimming National Head Coach, on device updates and patches for his competitions. This collaboration aimed to enhance the application's functionality for competitive swimming, ensuring it met the rigorous demands of high-level athletes.

Swinburne University of Technology
Vintage Computer Technician - Internship
Feb 2023 – May 2023

Over a three-month period, I interned as a Vintage Computer Technician at Swinburne University of Technology, working alongside my professor, Dr Cynde Moya to restore vintage computers/laptops. This involved disassembling, examining, repairing, replacing parts, and cleaning the computers. I utilized internet research from hobbyist sites to understand professional vintage computer restoration strategies, learned how to use and update a database for these vintage computers, and created clean, functional computer systems from the lab's collection of untested computers and spare parts. Some of the computers I restored include the Macintosh PowerBook 170, 145b, Laser LT421, Microbits 486DX/33, and Compaq Armada E500, running diverse operating systems such as OS 7 and Windows NT to Windows 8.

Through this experience, I gained hands-on technical skills in hardware restoration, enhanced my problem-solving abilities by troubleshooting a variety of vintage systems, and developed a keen understanding of the historical evolution of computer technology.

JK Technology
Technical Specialist
November 2020 – June 2021

JK Technology is a major technology company listed on the Singapore Stock Exchange, primarily providing IT solutions and services to a diverse client base, including large corporations, financial institutions, government agencies, and educational organizations. During my one-year internship with them, I serviced approximately 20,000 computers. My responsibilities included managing desktop tech refresh and data migration, imaging desktops and laptops, installing and troubleshooting hardware and software, and applying OS and application patches and updates. I was entrusted to be deployed alone as a technical specialist directly with banking clients such as OCBC Bank and Great Eastern, assisting them with their Fintech solutions. This involved providing support on system operations and resolving any issues that arose.

Great Eastern Life
User Acceptance Testing Analyst
March 2020 – November 2020

At Great Eastern Life, I performed user acceptance testing for product launches and enhancements according to business and operational requirements. I documented and filed testing artifacts and documents into retrievable repositories, prepared test data, monitored testing progress, and logged defects. I ensured the proper closure of the entire testing process within stipulated timelines and provided support for post-implementation issues. Additionally, I assisted in creating training documentation for internal staff.

I also took accountability in considering business and regulatory compliance risks, taking appropriate steps to mitigate them. I maintained awareness of industry trends on regulatory compliance, emerging threats, and technologies to understand risks and better safeguard the company. I highlighted any potential concerns or risks and proactively shared best risk management practices.

Education

Swinburne University Of Technology **Feb 2022 - Jun 2024**

Bachelor of Computer Science - Software Development *Australia, Melbourne*

Swinburne University Of Technology **Oct 2021 - Feb 2022**

Diploma of Information Technology *Australia, Melbourne*

Freelance Projects

Suburb Solutions | *React, Python, tailwindCSS, NextJS, Domain API*

I created SuburbSolutions, a tool designed for property investments for a client. The purpose of this project was to provide comprehensive analysis and financial advice for real estate investments in the Australian property market using Domain.com.au APIs. By leveraging React Libraries, I implemented interactive maps and data filtering features, enabling users to visualize and interact with real estate data effectively. Additionally, I developed an algorithm to rank suburbs based on their investment potential, helping users prioritize investment opportunities. The tool also shows the lowest and highest property prices when users click on any suburb on the interactive maps. The outcome of this project was a user-friendly and informative platform that empowers clients to make well-informed property investment decisions.

Decentralized Trading Platform | *Solidity, React, NextJS, FastAPI, Python, Web3, SQL*

In my free time, I developed a Decentralized Trading Platform using React.js and MaterialUI. This platform provides a user-friendly interface for trading digital assets. I used FastAPI for managing database connections, data retrieval, and storage. Additionally, I integrated Solidity for developing smart contracts to enable peer-to-peer trading.

Troche | *C++, Arduino*

I am currently working on a startup and tinkering with Arduino and C++ to make a revolutionary Medication device. The device aims to help aged care homes administrate easy-to-use automatic pill dispensers and monitor patients who are required to take medication.

Proproo | *React, NextJS, Tailwind, PostgreSQL, AWS, Python*

I helped my client to built a property website for their company PropRoo, a company specializing in real estate investment strategies, using a comprehensive tech stack including React, NextJS, PostgreSQL, AWS, Python, and Tailwind. The purpose of this project was to create a platform that effectively showcases PropRoo's services and allows users to engage with their property listings, referral program, and consultation services.

By leveraging React and NextJS, I developed a responsive and dynamic front-end that provides a seamless user experience for browsing property listings and accessing other services. The use of Tailwind ensured a modern, responsive design that adapts to various screen sizes.

For the backend, I set up a PostgreSQL database to store and manage property listings, user data, and referral information. Using Python, I handled the backend logic for processing data and managing user interactions, such as referral program enrollments and consultation bookings.

The website is hosted on AWS, ensuring scalability and reliability to handle increasing traffic and data as PropRoo grows.

The outcome of this project is a comprehensive and user-friendly website that effectively communicates PropRoo's expertise and services, enhancing client engagement and supporting their real estate investment goals.

Leadership / Extracurricular

FOSSASIA   **Mar 2019**

Organizer

I organized and coordinated the FOSSASIA Summit, effectively managing event logistics, scheduling, and participant communications. This role required meticulous attention to detail and strong organizational skills to ensure that all aspects of the event ran smoothly. I collaborated with a diverse team of volunteers, sponsors, and speakers, working closely with each group to create a seamless and engaging summit experience. Through effective communication and teamwork, I was able to foster a cooperative environment that contributed to the overall success of the event.