

RYAN LIM FANG YUNG

SOFTWARE & NETWORK ENGINEER

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EDUCATION

Asia Pacific University, BS Hons in Computer Science (3.83 / 4.0)

Nov 2021 – Mac 2024

Relevant Coursework: Data Structures and Algorithms, Computer System Low-Level Techniques (Assembly), Concurrent Programming (Java), Real-Time Systems (C), Object-Oriented Design (Java), Project Management, Network Security, Wireless and Mobile Security

Recognition: First Class Honor, Vice Chancellor List, APU Malaysian Scholarship & Merit Award Holder

Asia Pacific University, Diploma in ICT (Software Engineering) (3.93 / 4.0)

May 2019 – Aug 2021

Relevant Coursework: Software Development Project (Web), Java Programming (Java), System Analysis & Design (SDLC), Database Systems (SQL), Network System Architecture

Recognition: First Class Honor, APU Malaysian Scholarship & Merit Award Holder

WORK EXPERIENCE

Huawei International Pte Ltd | Network Engineer

May 2024 – Now

- Worked on designing and implementing network solutions for enterprises
- Worked on managing firewalls to control network traffic for enterprises
- Worked on upgrading firmware, patching and activating licenses for network devices
- Worked on utilizing Huawei's iMaster NCE Campus & CampusInsight solution in managing network devices
- Worked on network migration activities (from Cisco to Huawei) for enterprises

Freelance | Full Stack Developer

Mar 2022 – Now

- Worked on creating web pages in Next.js based on different wireframe designs
- Worked on creating full stack web applications using Angular, Express.js and MongoDB
- Worked on creating desktop applications using Java NetBeans
- Worked on creating systems using Bash
- Worked on creating Android applications using Android Studio and Flutter

UniLah The Student App | Software Engineer

Nov 2023 – Jun 2024

- Worked on creating web pages using React, Typescript and Tailwind CSS
- Worked on handling backend CRUD operations using Nest.js and Typescript
- Worked on improving certain app functionalities using React Native
- Worked on integration of backend APIs onto the frontend website
- Helped conducted various UAT tests towards the frontend websites

Acodes Technology Sdn Bhd | Frontend Developer**Aug 2023 – Feb 2024**

- Worked on creating web pages using Next.js and Tailwind CSS
- Worked on integrating APIs using React Query
- Worked on handling data state management using Redux
- Helped in designing solution architecture for web systems

HILTI Asia IT Services Sdn Bhd | IT Intern**Oct 2022 – Jan 2023**

- Perform different test operations on APIs developed by other team members
- Create an automated test suite using Java Spring Boot and Cucumber Framework
- Manage CI/CD operations on GitLab for the automated test suite

Magik Tech Sdn Bhd | Software Engineer**Jul 2021 – Dec 2021**

- Create web pages for systems using Vue.js
- Fix responsive issues on websites for mobile devices and tablets
- Create API for data communication between frontend and backend
- Modify backend server processing logic using PHP
- Deploy web systems to production

Blue Ocean IT Sdn Bhd | Software Engineer (Intern)**May 2021 – Jul 2021**

- Fix UI issues on websites using Angular
- Implement new frontend features and functions based on different user requirements
- Create APIs for data communication between frontend and backend
- Modify backend server processing logic using Python Django framework
- Manage website database using SQL Server

ACTIVITIES

Asia Pacific University | Board of Event Management in APU IEEE Society**Nov 2022 – Mac 2024**

- Organized the “Conversational Intelligence: Build Your Own Chatbot” Workshop **19th Oct 2023**
 - *Act as the organizing director for the event*
 - *Plan and work with others on different tasks*
 - *Work as the MC for the event*
- Organized the “Introduction to Fog, Edge and Cloud Computing” Workshop **12th May 2023**
 - *Plan and organize the event with other committee members*
 - *Work as the co-host for the event*
- Organized the “Redis Sharing Session” Workshop **30th Mac 2023**
 - *Plan and organize the event with other committee members*
- Organized the “Movie Recommender System in Python” Workshop **28th Jan 2023**
 - *Plan and organize the event with other committee members*
 - *Work as the co-host for the event*

- Helped out in setting up and dismantling various booths
- Helped out in controlling crowd traffic to avoid congestions
- Managing attendees' inquiries by providing information about event schedules and locations

LANGUAGES AND SKILLS

- Languages: English, Chinese, Malay
- Proficiencies:
 - Frontend Development: HTML, CSS, TypeScript, Angular, React, Vue, Tailwind, NextJS
 - Backend Development: Flask, Django, NestJS, Laravel, PHP, Express, Spring Boot
 - Database: MySQL, PostgreSQL, Firebase, MongoDB, Supabase
 - Version Control: Git (GitHub, GitLab, BitBucket)
 - App Development: Android Studio, Flutter, React Native
 - Networking:
 - Layer 2: Ethernet, VLAN, L2 Switches, STP, LLDP, Link Aggregation, Network Stacking, DAD
 - Layer 3: IP, L3 Switches, OSPF, ICMP, VPN, IGMP, DSCP, PIM
 - Layer 7: HTTP, SNMP, DHCP, DNS, SSH, Telnet, SFTP, FTP, NTP, RDP

CERTIFICATIONS

- HCIA Datacom Certification by Huawei (June 2024)
- Microsoft Certified: Azure Fundamentals Certification by Microsoft (April 2022)
- AWS Academy Cloud Foundations Graduate Certification by AWS (August 2021)
- Data Visualization Certification by freeCodeCamp (December 2020)
- Front End Development Libraries Certification by freeCodeCamp (August 2020)
- JavaScript Algorithms & Data Structures Certification by freeCodeCamp (July 2020)
- Responsive Web Design Certification by freeCodeCamp (June 2020)