

RYAN LIM FANG YUNG

Malaysia & Singapore • +6580549477 & +60146321806

ryanlimfangyung@live.com • [Ryan Lim Fang Yung | Portfolio](#)

ABOUT

I am an Asia Pacific University graduate with hands-on experience in software development, application development, and networking. As a Full Stack Software Engineer, I worked on creating and optimizing web and mobile applications, handling both frontend and backend development using modern frameworks like React, Angular, Flutter, and NestJS. My expertise extends to managing databases like MySQL, PostgreSQL, and MongoDB, and ensuring seamless API integrations. Additionally, I have experience in network engineering, including implementing enterprise solutions and managing network devices using Huawei technologies. I am passionate about leveraging technology to build efficient, user-friendly solutions that solve real-world problems.

EDUCATION

Bachelor of Computer Science, Asia Pacific University (APU), Malaysia Nov 2021 – Mac 2024

- CGPA: 3.8 / 4.0
- First Class Honor, Vice Chancellor List, APU Malaysian Scholarship & Merit Award Holder

Diploma in ICT (Software Engineering), Asia Pacific University (APU), Malaysia May 2019 – July 2021

- CGPA: 3.93 / 4.0
- First Class Honor, APU Malaysian Scholarship & Merit Award Holder

SKILLS

- **Programming:**
 - **Languages:** HTML, CSS, JavaScript, TypeScript, Python, Java, PHP, Dart, C++
 - **Web Frontend:** Angular, React, Vue, NextJS, Tailwind
 - **Web Backend:** NestJS, NodeJS, Django, Flask, Spring Boot, Laravel, Express
 - **Mobile Application:** Flutter, Android Studio, React Native
 - **Database:** MySQL, PostgreSQL, MongoDB, Firebase, Supabase
- **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
 - **Huawei Products:** iMaster NCE Campus, iMaster NCE CampusInsight
- **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, Software Development Project (Web), Java Programming (Java), System Analysis & Design (SDLC), Database Systems (SQL), Network System Architecture

PROFESSIONAL EXPERIENCE

HUAWEI INTERNATIONAL PTE LTD – SINGAPORE

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

Key Achievements:

- Assisted in several enterprises and data centre projects (such as migration and new-build projects).
- Assisted in troubleshooting and resolving issues that are faced by customers while using Huawei products.
- Conducted different staging test cases with colleagues to determine the feasibility of a network solution.
- Assisted in carrying out network migration activities at customer site (from Cisco to Huawei).

UNILAH THE STUDENT APP – KUALA LUMPUR, MALAYSIA

Part Time 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.

Key Achievements:

- Assisted in developing the admin dashboard (both frontend and backend portions) for the management team to use.
- Assisted in fixing existing issues or implementing new functionalities on the existing application.
- Assisted in developing the new UniLah Overseas Campus frontend portion (and some backend endpoints).

ACODES TECHNOLOGY SDN BHD – KUALA LUMPUR, MALAYSIA

Part Time 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.

Key Achievements:

- Assisted in developing frontend UI based on UI designs for customers' projects.
- Assisted in integrating backend APIs onto the frontend for CRUD purposes.
- Involved in determining the correct solution architecture for the entire project together with tech lead.

HILTI ASIA IT SERVICES SDN BHD – SELANGOR, MALAYSIA

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.

Key Achievements:

- Assisted in developing the automated test suite for automated testing periodically instead of requiring manual testing.
- Perform different code review sessions with colleagues for better code refactoring of the automated test suite.

MAGIK TECH SDN BHD – KUALA LUMPUR, MALAYSIA

Part Time Software Engineer

Jul 2021 – Dec 2021

- Create web pages for systems in **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 in **ThinkPHP**.
- Deploy web systems to production.

Key Achievements:

- Supported several customer projects in both frontend and backend portions.
- Assisted in troubleshooting or fixing issues present within different projects.

BLUE OCEAN IT SDN BHD – SELANGOR, MALAYSIA

Software Engineer Intern

May 2021 – Jul 2021

- Fix UI issues on websites in **AngularJS**.
- 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 in **Django**.
- Manage website database using SQL Server.

Key Achievements:

- Assisted in several customer projects as assigned by supervisor.
- Assisted in troubleshooting or fixing issues present within different projects.

ACTIVITIES

Board of Event Management, Asia Pacific University IEEE Society

Nov 2022 – Mac 2024

- Organized several workshops or events regarding topics such as AI, database and cloud.
- Invited different speakers or guests (local and international) to participate in the different organized events.
- Participated in different joint events with other clubs such as the APU AKPK Club.

Volunteer Staff, Comic Fiesta

Dec 2023 & 2024

- 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.

CERTIFICATIONS

HCIA Datacom Certification

2024

- Certification issued by Huawei.

Microsoft Certified: Azure Fundamentals Certification

2022

- Certification issued by Microsoft.

AWS Academy Cloud Foundations Graduate Certification

2021

- Certification issued by AWS.

Data Visualization Certification

2020

- Certification issued by freeCodeCamp.

Front End Development Libraries Certification

2020

- Certification issued by freeCodeCamp.

JavaScript Algorithms & Data Structures Certification

2020

- Certification issued by freeCodeCamp.

Responsive Web Design Certification

2020

- Certification issued by freeCodeCamp.

LANGUAGES

- English – Native
- Chinese – Native
- Malay – Conversational