

Xavier Ong

Junior Full Stack Developer

🌐 Singapore hello@xavieroyj.dev <https://www.linkedin.com/in/xavieroyj/> <https://github.com/xavieroyj>

About

I'm a passionate developer who loves to build things with code. I'm currently working as a NPU physical implementation intern at Mediatek, where I'm building Linux scripts to enhance the readability of reports generated by the system

Education

Singapore Institute of Technology / University of Glasgow

BSc (Hons) in Computing Science
2022 - 2025

Nanyang Polytechnic

Diploma in Infocomm & Security, Information Technology
2017 - 2020

Bukit Panjang Government High School

Middle School
2012 - 2017

Certificates

AWS Academy Cloud Foundations

Amazon Web Services
2024

AWS Academy Cloud Architecting

Amazon Web Services
2024

Azure Fundamentals AZ900

Amazon Web Services
2024

Skills

Figma
GitLab
HTML
CSS
JavaScript
Tailwind
TypeScript
Node
MySQL
Git
GitHub
Next.js
React

Experience

NPU Physical Implementation Intern @ Mediatek

Sept 2024 - Present
Singapore

Summary:

Creating Linux scripts that enhance the readability of report generated by the system

Responsibilities:

- Assisted the team in turning report files into an easy to view format such as graphs and tables
- Debug existing scripts to find out why certain fields were not being displayed

Achievements:

- Assisted colleague in adding new fields to an existing script that generates report
- Created an easy interface to view report in HTML format with basic filtering
- Learnt the fundamental basics of designing a chip
- Understand basic shell scripting to run scripts

Adhoc Software Developer @ OrangeKloud

Sept 2023 - Oct 2023
Remote

Summary:

Converting Figma designs into React Bootstrap code

Responsibilities:

- Ensuring that the created interface in React Bootstrap were identical to the UI designed in Figma
- Creating CSS to override some Bootstrap styles to ensure that it fits company branding

Achievements:

- Successfully created pages that were identical to the Figma design and is currently used in production

Software Developer Intern @ PSA Singapore

May 2019 - Aug 2019
Singapore

Summary:

Devising method of silent installation of software onto new devices. Created drag and drop application to handle camera placement UI

Responsibilities:

- Investigating new methods to install software onto new devices in the background
- Using Javascript and HTML to visualize camera and editing of the camera position in the interface

Achievements:

- Modified the interface of the camera placement interface. Previously, the developer had to predict the placement of the camera by coordinates. The new flow makes it such that they just had to drag and drop to the desired position and press save
- Utilized powershell to silently install Win32 apps onto new devices