Chng Hong Xiang Roy

Junior Software Developer

👤 Profile

A knowledgeable junior software developer who can deliver under pressure and meet tight deadlines. Started a YouTube channel creating programming tutorials with 1 million+ views. Proficient with technologies such as ReactJS, Redux, JavaScript, Flutter, HTML, and CSS to build responsive sites and apps. Won Silver in WorldSkills Singapore under the Mobile Applications Development category.

🎓 Education

Diploma In Infocomm and Media Engineering, Nanyang Polytechnic, Singapore

April 2024 — April 2026

GPA: 4.0/4.0

Extracurriculars: Guitar Club, Makers Innovators Tribe, SEG Club

Higher Nitec In IT Applications Development, Institute of Technical Education, Singapore

April 2022 — April 2024

GPA: 4.0/4.0 (Valedictorian)

Awarded Lee Kuan Yew Model Student Award

Extracurriculars: Student Council, 3D Printing Club, ACE Programme, IAD Club

💼 Experience

Youtube (Content Creator)

November 2022 — Present

Channel: youtube.com/@turbinethree

- Grew YouTube channel to 10,000+ subscribers with 1 million+ views by creating programming tutorials

Software Developer Intern at Octopus8, Singapore

October 2023 — March 2024

- Led a team of 5 to develop an app which provides users a platform to access services and sign up for events from charities efficiently
- Programmed the payment system for the donation management systems using Stripe

Author at FreeCodeCamp

May 2023 — January 2024

Profile: freecodecamp.org/news/author/roy

- Collaborated with the FreeCodeCamp staff to write several technical, in-depth articles on topics such as React and Python

Details

Singapore

(65) 8174 9242

roychng21@gmail.com

Links

Portfolio: roychng.com

Github: github.com/roychng

Linkedin: linkedin.com/in/roy-chng

Skills

React JS

JavaScript

HTML/CSS

Python

WordPress

Flutter

SQL

Redux

Node JS

Git

Founder at ValorVortech

April 2020 — May 2021

Site: valorvortech.com

- Started a WordPress blog posting technology-related articles
- Reached 180,000+ page views organically
- Monetized through advertisements and affiliate links
- Optimized page load time to be under 700 milliseconds (when advertisements are disabled) by caching pages and leveraging content delivery networks (CDNs)

★ Competitions

Overseas Sustainability Innovation Challenge, Indonesia

September 2024

Represented NYP in an overseas hackhathon over the span of 2 weeks and was awarded the Best Dynamic Team

Silver In WorldSkills Singapore (Mobile App Development)

October 2023

Competed with the best students from various polytechnics in Singapore and won 2nd place with $2,000 in the category of Mobile App Development

★ Projects

Pixify (Free Stock Image Finder)

Demo: roy-pixify.netlify.app

- Used ReactJS for creating UI, Redux for application-wide state management and React-Router for client-side routing
- Worked with Pexels API to search and load images. Used Async/Await with Promises in JavaScript

Forkify (Recipe Search)

Demo: roy-forkify.netlify.app

- Created a recipe search single-page-application using JavaScript, without any frameworks, as part of a course
- Ensured maintainability and scalability by using an MVC architecture
- Made code more readable by using ES6 features in JavaScript

Metro Streetwear (Frontend For E-Commerce Site)

Demo: metro-streetwear.netlify.app/html

- Developed the frontend for an e-commerce site using HTML, CSS, JavaScript, and Bootstrap for a school project
- Ensured accessibility of application by using semantic HTML and following W3C standards
- Increased device compatibility by 60%, by making the website responsive through media queries