Cruz Chua

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EXPERIENCES

Singapore Red Cross

IT Support Officer - Software Engineer | Part-time   Sep 2025 - Present

Software Engineer Intern | Internship | Vite, React, Typescript, MongoDB, Tencent Cloud   May 2025 - Aug 2025

- Developed **Meals with Love Form Porta**l with **React**, handling up to **400 applications** to **reduce manual data entry efforts by 90%**
- Prepared detailed **documentation** to guide and support the **technology refresh proof of concept** initiatives, ensuring a smooth transition.

Urban Redevelopment Authority of Singapore

Software Engineer | Contract | React, .Net Core, Java, Spring Boot, OracleDB   Sep 2022 - Jun 2023

Software Engineer Intern | Internship | .Net Core, React, MySQL   Mar 2022 - Aug 2022

- Enhanced **Media Library Platform** based on **.Net Core** and **React** serving more than 500 employees, with 100 daily uploads and downloads of image files.
  - Redesigned user interface to **increase upload efficiency by 50%** and chunking image data to Azure Blob Storage for optimisation.
  - Developed a dashboard for tracking user behaviour and gaining insights through visual data.
- Coordinated the development of **CorenetX Case Submission System**, a Spring Boot backend for processing case submissions via external **AWS SQS** and **SFTP Server**.
  - Implemented scheduled jobs with **Quartz** to handle **100+ daily files** from the queue and **SFTP servers**.
  - Created APIs for data retrieval from **OracleDB using Hibernate**, streamlining access for team members.

CYC Movers

Software Engineer Intern | Internship | PHP, HTML, CSS, CPanel, phpMyAdmin   Sep 2019 - Dec 2019

- Developed a **PHP-based Quotation Service**, streamlining operations and providing quotes up to **50 users daily**, **reduced manual effort by 80%**.
- Designed and built frontend and backend, and deployed the web application on **CPanel**.
- Formulated **calculation logic** for moving quotes based on container sizes and items, handling **15-20 quotes per day**.

SKILLS

- **Programming Languages**: JavaScript, Python, Java, C#
- **Frameworks**: Node.JS, .Net Core, Flask, Spring Boot, Next.JS
- **Database**: Oracle, MySql, phpMyAdmin, Amazon DynamoDB, MongoDB
- **Cloud Platforms**: Amazon Web Services (AWS), Google Cloud, Microsoft Azure, Alibaba Cloud
- **Other Tools:** Git, HTML5, CSS3, React

EDUCATION

Singapore Management University   **Aug 2025 - Present**

Bachelors of Science

- Major in Software Engineering

Nanyang Polytechnic   **Apr 2020 - Apr 2023**

Diploma in Information Technology

- Specialisation: Cloud Computing, Amazon Web Services

CERTIFICATIONS

AWS Academy Cloud Architecting | AWS Academy Cloud Developing | AWS Academy Cloud Operations | Harvard CS50x Introduction to Computer Science | NVIDIA Fundamentals of Deep Learning | Google Cloud Computing Foundation | Alibaba Cloud Associate