

Aloysius Tan

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SKILLS

Programming Languages: Python, JavaScript, Java, C++, HTML, CSS

Frameworks & Libraries: Spring Boot, React.js, Next.js, Material-UI, Tailwind CSS

Technologies & Tools: Git/GitHub, Tableau, UiPath

IDEs: Visual Studio Code, IntelliJ IDEA, PyCharm

WORK EXPERIENCE

DXC Technology

Singapore

Java Developer

August 2023 – Current

- Collaborated with a 20-member team to analyze business requirements and implement efficient solutions.
- Developed and maintained scalable RESTful APIs within a microservices architecture, improving system performance and maintainability.

Singapore Technologies Engineering Ltd

Singapore

Software Engineer Intern

September 2020 – February 2021

- Developed an internal website that improved departmental efficiency by streamlining workflows.
- Automated data updates to Excel using Python and UiPath, eliminating manual entry and reducing errors.
- Generated interactive visual reports with Tableau to track quarterly sales performance.

PROJECTS

Cryptocurrency React Website

React.js, Material-UI, Firebase, CoinGecko API, GNews API

<https://allcrypto.netlify.app/>

- Utilized REST APIs to fetch real-time cryptocurrency data from CoinGecko and news from GNews API.
- Built a cryptocurrency tracking website that dynamically displays coin rankings, exchange data, and news updates.
- Integrated Firebase Authentication and Firestore to enable users to log in and save their favorite coins persistently.

Student Management GUI made with Java

JavaFX (frontend), Java (backend), MySQL

<https://youtu.be/f5tIS5rWoDA>

- Designed a GUI-based student management system with add, edit, and delete functionalities.
- Connected to a MySQL database for persistent data storage.

Personal Portfolio Website

<https://alov.dev/>

Astro.js, Tailwind CSS, Three.js

- Developed a personal portfolio featuring tech blogs and self-created voxel art rendered with Three.js.
- Features blogs on my programming interests and tech related topics.

Discord Bot made with Python

<https://github.com/aloyrs/discord-bot-python>

Python, discord.py API

- Developed a Discord bot with custom commands for tasks such as anime recommendations, message moderation, and music playback.

EDUCATION

Singapore Polytechnic

Singapore

Diploma in Engineering with Business

Graduation Date: Feb 2021