

William Gan

Year 3 Undergraduate in Information Technology
AWS Certified Solutions Architect (Associate)

William Gan HanSong | 30 | Singaporean | [Portfolio](#) | hswg94@gmail.com | +6584340897 | [LinkedIn](#) | [GitHub](#)

Overall Experience

Jan 2023 – May 2024

Career Upskilling in Cloud Computing and Web Development

- Developed my [Portfolio Website](#) using **ReactJS**, **Chakra UI**, and **Node.js**, and established a **CI/CD pipeline** to **GitHub Pages** for **automated deployments**.
- Developed **2 Full-Stack applications** with the use of technologies such as **ReactJS**, **Redux**, **Bootstrap**, **Express.js**, and **MongoDB**, **EJS** with **RESTful APIs** and establishing a **Payment Gateway** with **PayPal API**.
- Successfully **migrated a 3 tier-web application** and **portfolio website** into **AWS Cloud** by designing and integrating a **Cloud Architecture Solution**.
- Acquired a wide variety of skills in **Cloud Computing** and **Development** through various **Projects**, **Courses**, **Bootcamps**.

24 Aug 2021 – 7 Oct 2022

Software Engineer – Support (Covid Data Analytics) @ NCS Group

- Enhanced the **data processing pipeline** by performing **code changes** to **Python** scripts.
- Promptly **Respond and Rectify** all application-related tickets on **JIRA**.
- Identify **System Stability** issues by analyzing logs in **Microsoft Azure**.
- Record changes to the application through updating/creating **software documentation**.
- Provide a summary of project changes to **stakeholders** by drafting **monthly reports**.
- Fulfill **data extraction** requests by writing **SQL statements** for **Microsoft SQL Server**.
- Resolve **security vulnerabilities** by identifying, updating, and verifying related libraries.

Education & Certifications

Jan 2025

- **Bachelor of Science in Information Technology** – Teesside University

May 2024

- [AWS Certified Solutions Architect Associate](#) – Issued by **AWS**

Mar 2024

- [AWS Certified Cloud Practitioner](#) – Issued by **AWS**

Aug 2023

- [Meta Front-End Developer](#) – Issued by **Meta** (ReactJS, UI/UX, Figma)

Jun 2021

- [Google Data Analytics Professional](#) – Issued by **Google** (SQL, R Programming, Tableau)

2015 - 2018

- **Diploma in Electrical and Electronics Engineering** - Republic Polytechnic

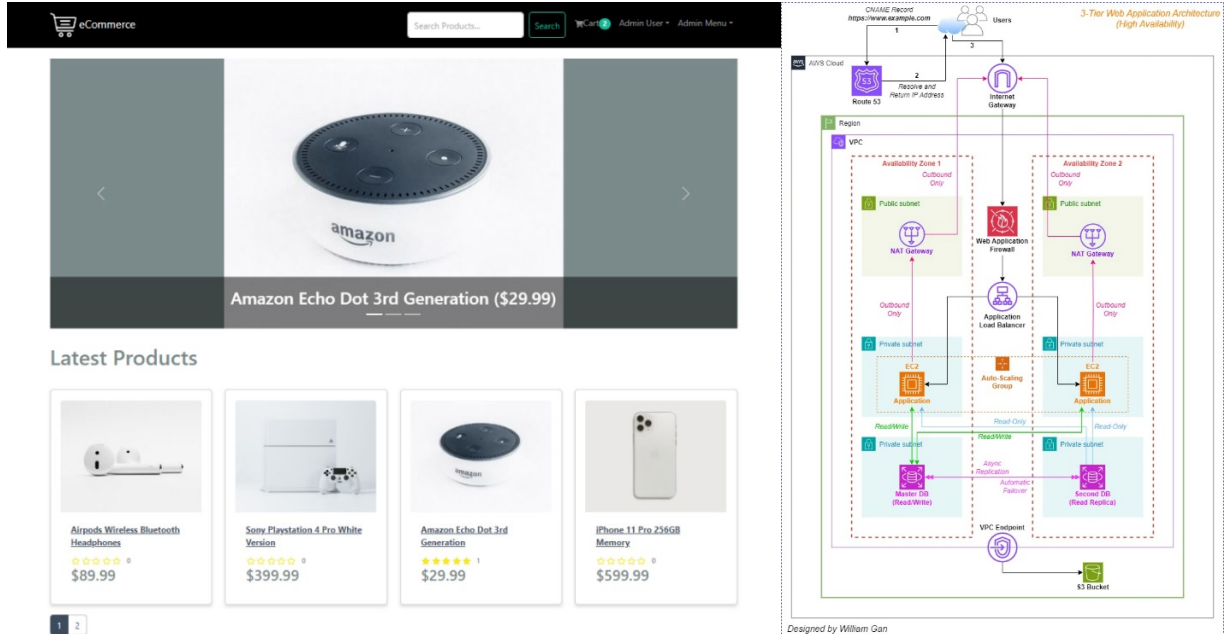
Skills

Frontend: HTML5, CSS, **JavaScript (ES6)**, JSX, EJS, ReactJS, Redux, Bootstrap, Chakra UI, MUI, Framer Motion
Backend: **Python**, **JSON**, Node.js, Express.js, Django, MongoDB, SQL, NoSQL, **REST APIs**, JWT Auth, bcrypt, multer, cookie-parser, Cloudinary API, Mapbox
Tools: **AWS Cloud**, **Kubernetes**, **Docker**, **VM**, **NGINX**, **Bash**, **PowerShell**, **Git & GitHub**, Postman, Figma
Misc: Programming, Development, Infrastructure, Networking, Scripting, Software Testing
Soft Skills: Strong Communicator, Attention to Detail, Team Player

My Personal Projects

1. eCommerce Concept | React.js, Node.js, Express.js, and MongoDB

This eCommerce application features a comprehensive set of functionalities including a Cart System, Payment Gateway integration, User Rating & Comment capability, Administration tools, User Authentication & Authorization, Search and Pagination.



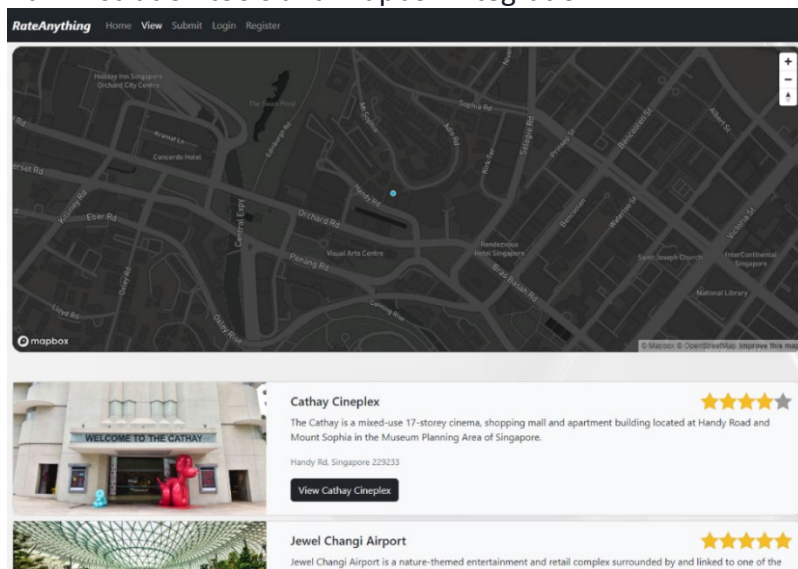
Note: Temporarily removed from AWS due to fees and hosted on railway.

URL: <https://ecommercepoc.up.railway.app/>

GitHub: <https://github.com/hswg94/eCommercePOC>

2. RateAnything (SSR) | EJS, Node.js, Express.js, MongoDB

This rating application enables users to rate and write a review on any products or services. It features User Authentication & Authorization, Image Uploading, User Rating & Comment, Administration tools and Mapbox integration.



URL: <https://rateanything.up.railway.app/items>

GitHub: <https://github.com/hswg94/RateAnything>