

# Nicholas Chan Wei Jie

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## Education

### Bachelor of Software Engineering CGPA: 3.25

2021 - 2024

Tunku Abdul Rahman University of Management and Technology – Kuala Lumpur.

## Skills

**Programming :** Python, Bash, Java, Dart, JavaScript, MySQL.

**Technologies :** AWS, Terraform, Git, Docker, Linux, New Relic, HTML, CSS.

## Experience

### Cloud Infrastructure Engineer Intern

Razer Merchant Services (Fiuu) – Shah Alam.

June 2024 – Nov 2024

- Implemented and configured server resources and APM dashboards on New Relic using Terraform (**Terraform, New Relic**).
- Implemented telegram alerts for servers using New Relic endpoint. (**API Gateway, Lambda**)
- Implemented python scripts to automate Git issues creations for AWS log reviews, unused AWS resources and ACM certification renewal. (**Lambda, CloudWatch, CloudTrail, Python**).
- Migrated Dockerfiles from Centos7 to Ubuntu for database containers. (**Docker, Bash, CouchDB**).
- Migrated load balancer for Git server to restrict control to Git and for easier traffic management (**Load Balancer, EC2**).
- Proposed and configured an open-source monitoring tool to track uptime of all servers. (**Uptime Kuma**)

### Web Developer (Freelance)

Florism De Art – Kuala Lumpur.

Sept 2022 – Dec 2022

- Implemented/debugged numerous **front-end** features and components for client's Shopify e-commerce store (**HTML, CSS, Liquid, JQuery**).
- Worked closely with client to gather requirements and feedbacks.
- Help in managing e-commerce business operation such as customer's order details, updating product page and etc.

## Projects

### Cloud Portfolio Website ([nc-wj.com](https://nc-wj.com))

- Designed and deployed a serverless full-stack resume website using **AWS services**.
- Developed using HTML, CSS, JavaScript, and hosted on Amazon S3 with CloudFront for CDN.
- Implemented a visitor counter using **AWS Lambda (Python), API Gateway, and DynamoDB**.
- Integrated **GitHub Actions** for automated testing and deployment.
- Secured the site with **AWS Certificate Manager (SSL/TLS)** and **Route 53** for DNS.

### AWS Cloud Web Application

- Created a highly scalable web application using AWS services such as **EC2, VPC, RDS** and **Cloud9**.
- Utilized **Elastic Load Balancing** to ensure even distribution of workload across multiple server and **Auto Scaling** to scale-in and scale-out instances as needed to reduce operation cost.
- Helped in planning and designing of **AWS Architecture**.
- Estimated AWS services and products cost using **AWS Pricing Calculator**.

## **LYF Mobile Application**

- Designed and created lifestyle mobile application for users to improve their lifestyle. (**Flutter, Dart**)
- Integrated modules such as Habit Recommender, OCR for Medication and Chatbot. (**Django**)

## **Durian Track & Trace Blockchain DApp**

- Implemented **CRUD** functions for user to register, view and update their durian details in Remix. (**Solidity**).
- Designed, created and integrated the front end with back end (**JavaScript, ExpressJS, HTML/CSS, Ganache**).
- Linked Metamask and **smart contract** to allow transaction to execute **CRUD** functions.