MUHAMMAD NADZMI BIN MOHAMED IDZHAM

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Education

Bachelor

UiTM Shah Alam (Selangor, Malaysia)   09/2016 - 07/2018
  ○ Bachelor in Computer Science (Hons.)

Diploma and O-Level

UiTM Merbok (Kedah, Malaysia)   03/2013 - 11/2015
  ○ Diploma in Computer Science

Royal Millitary College (Selangor, Malaysia)   01/2011 - 12/2013
  ○ O-Level

Experience

Carsome

Staff Engineer   03/2024 - 05/2024
  ○ **Gitlab CI integration with ArgoCD**
    ○ Migrated our cloud services from AWS to Google GCP.
    ○ As part of this exercise, we also revamped our CI/CD pipeline from fully using Gitlab CI/CD's service, we instead choose to use Gitlab CI coupled with ArgoCD.
    ○ We wanted to implement a pull-based DevOp pipeline by:
      ○ Setting up Gitlab CI to always compile and build our source code upon code merge and some other triggers or parameters we setup in Gitlab.
      ○ ArgoCD will always pull the latest build from Gitlab's artifact (in a form of container image) that satisfies the parameter we setup in ArgoCD.
    ○ This way, we can allow QA to trigger deployment on a specific branch by themselves through a single button click from Gitlab side.
    ○ QA will have the freedom to only test a certain build of our source code in a separated environment without actually affecting our UAT/staging environments.
    ○ Together with the DevOp and QA team, we are replicating the same setup as Heroku's Review App feature with our own parameters and custom rules.
    ○ This way, we can help to improve QA's testing experience as well as control both business monetary cost and development resource cost since the pipeline automatically instance a new "Review App" environment based on our parameters.

Lead Software Engineer   09/2023 - 03/2024

- Buyer Tool
  - We collaborated with our Product Team, China Dev Team and Data Analysis Team to come up with a car pricing tool meant for our car inspector to speed up their inspection process.
  - We managed to speed up the inspection process throughout Indonesian branch by about 80% with the use Buyer Tool.
  - It reduces the process needed for the inspectors to get a good value for money of each car that was inspected. So, they are able to offer a good price to the user at a faster rate without actually having to wait for a whole day.
  - Our customer also do not need to wait overnight to get their car valuation price.

Senior Software Engineer   **11/2022 - 09/2023**

- Lead Microservice (Lead MS) integration with Zoho CRM
  - Plan and developed a new Lead management module called Lead MS that has integration with Zoho CRM.
  - Plan a way to decouple the older Lead module & replace it with the newly developed Lead MS.
  - Integrate the newly developed Lead MS with the existing Lead module and ensuring the backward compatibility of the new system through Zoho CRM.
  - Working together with our Data Team to make sure all data that flow through our CMS system and Lead MS is properly synced.
- Carsome Website Revamp integration with Lead MS
  - Revamping our existing Carsome website and integrating the newly developed Lead MS together with the older Lead module.
  - Ensuring that the new Lead MS is integrating well with the old Lead module while awaiting for the business to decide whether they are interested in using the new flow introduced by the new Lead MS or they prefer to keep on using the older flow.
- Notification Microservice (POC)
  - Decouple current scheduler module that is resopinsible in sending notification with a new Notification Microservice.
  - This new service allow for a better and more customizable way to integrate with external API that involves sendition notifications such as email, mobile push notification and SMS.

Junior Web Developer   **10/2019 - 11/2022**

- Bidding App integration with Watchlist Microservice (POC)
  - Watchlist microservice is anew huge module that we added as part of Carsome's internal Bidding system which is meant to decouple the Favourite Car module from our old system but with some additional features such as being able to notify when the car dealer's watchlisted cars is being bidded.
  - We created a very basic and simple POC sub-module for experimentation purposes in order to simulate how the new Watchlist module can be integrated into the current live system.
- Carsome CMS
  - Maintaining and adding new features to the current Carsome's internal CMS

Strateq

R&D Engineer   **06/2019 - 08/2019**

- **Lead the Data Migration team**
  - Oversee the development of data migration template for StarteqEHR.
  - Oversee the development of the data migration and integration script using Talend Data Integration in order to automate the setting up of StrateqEHR to a new tenant.
- **StrateqEHR integration with Waystar Zirmed**
  - We made an integration between our system and Zirmed Single Sign-On (SSO) module.
  - In US, ,the physician uses Zirmed as their choice of drug database. So, they need to be able to go back and forth between our StrateqEHR system and Zirmed flawlessly without having to be logged in in two places.
- **Data Migration Template**
  - I came up with a data migration template for our new tenant of StarteqEHR system.
  - Depending on the subscribed module of the tenant, we can customize the template to reflect their initial configuration.

<u>Junior Web Engineer</u>   <u>10/2019 - 06/2019</u>

- **37Degrees HIS (ASIA)**
  - Enhance and maintain the current system according to the features requested by the Product team.
- **StarteqEHR (US)**
  - Enhance and maintain the current system according to the features requested by the Product team.

Internship

UiTM Shah Alam

<u>Freelance Android Developer</u>   <u>03/2017 - 08/2018</u>

- UiTM E-Traffic Summon (UeTS)
  - I helped develop this experimental project together with my lecturer and as a result, it was enlisted as the gold winner in an annual UiTM innovation competition.
  - The system is meant to be a tool to speed up and centralize the student vehicle summoning system for UiTM's auxialiary police department.
  - Usually the UiTM staff or auxiliary police will report non-registered student cars within the campus. With this system, they do not have to write an official letter for the summon.
  - The system consist of 3 main modules which are Admin, Staff and Police:
    - Staff can download the Android mobile application in order to create a report.
    - Police will need to download the same mobile application in order to create, edit and issue a summon based on the created report.
    - Admin will be able to monitor the report request and assign each report to each police which will notify the police through their mobile app.
- Central Tendency Snapshot (CTS)
  - I helped develop this Adnroid mobile application under the supervision of my lecturer. The application is a tool to guide Calculus students to learn about Mean, Median and Mode.
  - One of the most prominent features of the application is that it allows the user to take a picture of a Calculus question & generate the answer together with its workflow on how to get the answer.
  - It leverages on the Tesseract OCR library from Google to do text detection. This library is an older and lesser Machine Learning model from its successor Tensorflow meant only for Optical Character Recognition (OCR) pupose.
  - The app works by storing a multiple sets of predetermined Calculus workflow for a possible Mean, Median and Mode questions. From there, it determines which workflow is the best based on the criteria of the question.

Onepage Media Networks

Freelance Android Developer   03/2017 - 08/2018

- I help to develop Android mobile application as a marketing tool for the company's cooking competition event.
- The application stores a bunch of Indonesian and Malaysian recipes.
- There are 2 versions of the application: Free and Paid. Paid version have more recipes than the Free version.
- The Paid version also allows the user to enter a lucky draw session & have a chance to win prizes every month.

UNICEF

Intern Game Developer   04/2017 - 07-2017

- **Carbon Game**
  - This is an Android mobile game pitched by one of UNICEF employees to help kids (6 - 10 years old) learn about the Carbon element;
  - The initial idea was to summarize a complex topic for kids to learn through video games.
  - I am only involved in the experimental phase of the project in which I help to develop 3 stages of the game which answers the below questions:
    - What is Carbon?
    - Why do we need Carbon?
    - How does Carbon affect our lives?

Skills

SASS Platform

- ☁️ Cloudflare
- aws AWS
  - aws API Gateway
  - aws EC2 + ECS
  - aws Lambda + S3
  - aws RDS + DynamoDB
- ☁️ GCP
  - ☁️ Compute Engine
  - 🔥 Firebase
- ▲ Vercel + H Heroku + ⚡ Supabase
- 🦊 Gitlab + Gitlab CI/CD
- 🐙 Github

Programming Languages / Frameworks

- JS Javascript + TS Typescript
  - 🐱 NestJS + 🐰 RabbitMQ
  - V VueJS + △ NuxtJS + 🅂 Svelte + cy Cypress
  - D3 D3JS
- php PHP
  - 🅛 Laravel + 🌿 Slim Framework + 🔥 CodeIgniter
- 🎯 Dart
  - 💙 Flutter
- 🐍 Python
  - dj Django + ⚡ FastAPI
- ☕ Java + K Kotlin
  - 🍃 Spring MVC + 🐦 Hibernate
- C C#

Tools

- 🛞 Kind Kubernetes
- 🐙 ArgoCD + 🛞 Kubernetes + 🐳 Docker
- 🗄️ DynamoDB + 🍃 MongoDB
- 🐬 MySQL + 🐘 PostgresSQL + 🪶 SQLite
- 🧱 Redis
- 📦 NPM + 🐈 Yarn + 🟨 PNPM
- 🤖 Godot + ⬛ Unity
- 📮 Postman
- 🔀 Git

Languages

- Malay (native)
- English (proficient)

Reference

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- Lead Product of Product Team

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