Gabriel Derek Tan

Full Stack Web Developer

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EXPERIENCE

Petronas Digital Sdn Bhd (ROVR) — *Full Stack Web Developer*

OCT 2020 - Current (Contract)

- Utilized AWS services like Lambda, SQS, SNS, DynamoDB, ElasticSearch, etc to build microservices
- Built the platform with an event-driven architecture in mind, e.g: using DynamoDB streams and Lambda Triggers to process and sync data from DynamoDB to ElasticSearch
- Incorporated Unit Testing to ensure software correctness
- Monitored Lambdas using Cloudwatch Logs and Alarms
- Mentored software interns on backend development using Node.js and basic serverless computing in AWS
- **Overall Tools and Technology used:** Git, Gitlab CI/CD, Node.js, Serverless Framework, AWS, Jira. Confluence

Nixel Sdn Bhd — *Full Stack Web Developer*

JUN 2019 - JUN 2020 (Full-time)

APR 2019 - JUN 2019 (Part-time)

- Developed the frontend and RESTful backend APIs for the company's main web application product, as well as products for clients based in industries such as carton box printing, automotive and news media.
- Actively involved in the whole software development cycle, from projection ideation / user requirements gathering, and implementation, to carrying out user acceptance testing, deployment and maintenance.
- **Overall Tools and Technology used:** Git, Gitlab CI/CD, Vue.js, React, Next.js, Laravel, Node.js, MySQL, PostgreSQL, Flask (Python), OpenCV-Python, Tesseract OCR, Laradock, Digital Ocean, Alibaba Cloud, Google Cloud.

Aeste Works (M) Sdn Bhd — *Web Developer*

MAR 2018 - MAR 2019 (Part-time)

DEC 2017 - MAR 2018 (Intern)

- Built RESTful web applications using C++ for backend
- Designed and implemented a dashboard web application from scratch, that interfaces with the company's very own IoT board, using Vue.js for frontend.
- Refactored existing codebases for better performance and maintenance, made use of OOP design patterns where appropriate.
- Projects were developed and managed by myself independently, with some guidance and timely reviews by a supervisor.
- **Overall Tools and Technology used:** Git, Vue.js, Wt C++ (and various other C++ libraries), SQLite

SKILLS

Programming Languages
JavaScript, TypeScript, Python, PHP, SQL, C, C++, HTML, CSS/Sass

Libraries and Frameworks
Vue.js, React, Next.js, Node.js, Express, Serverless Framework (AWS), Laravel, Apollo Server (GraphQL), Flask, jQuery, Bootstrap, Wt C++

Databases
MySQL, PostgreSQL, SQLite, DynamoDB, ElasticSearch

Cloud Service Providers
AWS, Alibaba Cloud, Google Cloud, Digital Ocean

Others
Linux, Docker (Laradock), Gitlab CI/CD, Jira, Confluence

EDUCATION

Monash University Malaysia

FEBRUARY 2016 - JULY 2019

Bachelors of Computer Science with a GPA of 3.375