

# Gabriel Derek Tan

Full Stack Web Developer

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<https://thegreatgaben.github.io/portfolio>

## 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 event-driven architecture in mind, e.g: use DynamoDB streams and Lambda Triggers to process and sync data from DynamoDB to ElasticSearch
- 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

### 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 (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

## EDUCATION

### Monash University Malaysia

FEBRUARY 2016 - JULY 2019

Bachelors of Computer

Science with a GPA of 3.375