Gabriel Derek Tan

Full Stack Web Developer

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EXPERIENCE

Nixel Sdn Bhd — *Full Stack Web Developer*

JUNE 2019 - JUNE 2020 (Full-time)

APRIL 2019 - JUNE 2019 (Part-time)

- Contributed to the development of the frontend and backend of the company's main product, a web application that helps SME property contractors in project cash flow management.
- Built a backend API, in Python, that handles image uploads, finds text regions using a text detection algorithm and performs Optical Character Recognition (OCR) on them, as part of the development of a Minimum Viable Product (MVP).
- 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. Clients are based in industries such as carton box printing, automotive and news media.
- Worked in a team of four developers.
- **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*

MARCH 2018 - MARCH 2019 (Part-time)

DECEMBER 2017 - MARCH 2018 (Intern)

- Mainly developed RESTful web applications using a C++ web framework for the backend.
- Engineered a backend only web application that integrates with a Woocommerce WordPress site, as an online registration website for a nationwide music competition.
- 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.
- Automated REST API testing using Bash scripts.
- 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
C, C++, Python, HTML, CSS/Sass, JavaScript, TypeScript, PHP, SQL

Libraries and Frameworks
Vue.js, React, Next.js, jQuery, Bootstrap, Laravel, Node.js, Flask (Python), Wt C++

Databases
MySQL, PostgreSQL, SQLite

Cloud Service Providers
Digital Ocean, Alibaba Cloud, Google Cloud

Others
Linux, Docker (Laradock), Gitlab CI/CD (familiar)

EDUCATION

Monash University Malaysia

FEBRUARY 2016 - JULY 2019

Bachelors of Computer Science with a GPA of 3.375