Brandon Wong

Full Stack Engineer

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Providing engineering solutions while adopting Agile software development life cycle, end-to-end design and implementation across business groups. Adhering to clean and reusable code hygiene for maintainability.

Automation expert in reducing runtime for flows and increasing productivity. *If we are repeating the process more than once, it will be automated.*

WORK EXPERIENCE

Full Stack Developer

Trustana, Singapore, Jun 2022 – Present
Design and implement REST/GraphQL web services and APIs for a distributed B2B platform with scalability considerations.
Execute an effective UI/UX implementation for users of the platform.

Full Stack Developer

Switcheo, Singapore, Jun 2021 – April 2022
Design high quality codes and implement solutions on blockchain applications.
Provide strategic choice of data structure and algorithms to design and implement business logic.
Design and review of web API and codes to maintain high development standards.

Technology Architect

Sustenir Group, Singapore, Jun 2019 – Jun 2021
Design, develop, manage, maintain, deploy, and troubleshoot holistic farm control systems from hardware integration to end user software interface.
Value engineered over 3 iterations of the control system to increase efficiency by 15% whilst at least 10% of cost reduction.
Development and design include the following systems: electrical circuitry, programmable logic controller (PLC), MQTT communication protocol, Postgres database, Node JS, React.
Deploying more than 5 production solutions with low maintainability and high reliability.
Providing technical support and guidance across multiple countries in Southeast Asia.

SKILLS

Technology Stack:

Remix, GraphQL, Golang, React, Typescript, Node JS, Docker

MQTT, Linux, Git, Google Cloud Platform, C++, C#

Object Oriented Programming
Test Driven Development
Machine Learning Development
TRIZ Level 2 – Solving Inventive Problems

Highlights

Departmental recognition for successful deployment software solutions with significant **improved runtime and robustness** across business groups.

Managed a team of 5 developers on a weekly development cycle with 95% deliverables successfully deploy and accepted.

Pivotal Labs – Singapore - Jun – Aug 2019
Engaged, assimilated and adopted the effective Pivotal Labs Extreme Programming which is the core of this organization.

OCBC HACK-IT! - Singapore 2021
(2 person project)
Dveloped a HiFi mockup of a cinema application with an easy user verification process.

HealthHack - Singapore 2019
(5 person project)
Dveloped a prediction model and an app for women's menstruation cycle correlating to their PMS symptoms.

EDUCATION

MEng Hons. Electronic and Computer Engineering, (First Class)
University of Nottingham