



# Brian Jia Jun Leow

+353 (087) 379 4639 / [brianleowjj@live.com](mailto:brianleowjj@live.com)  
[www.linkedin.com/in/brian-leow](https://www.linkedin.com/in/brian-leow) / <https://brianleow.com>

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## Summary

Experienced backend software developer in the FinTech sector, specialising in banking and payment solutions. Adept at solving complex challenges, proven track record in optimising system performance, leading teams, and integrating with external partners. Expert in database management and API development, delivering high-quality and efficient software solutions.

## Experience

### **T05 Technologies Sdn Bhd, Selangor, Malaysia**

#### **Software Developer, Backend Development**

Jan 2023 - July 2025

- Defined project scopes through database structure designs, then planned and allocated work based on the project timelines.
- Led and facilitated project meetings to address issues, monitor progress, and ensure timely completion.
- Acted as the team liaison during discussions with external developers, ensuring seamless system integration and requirement finalisation.

### **Hitachi Ebworx Sdn Bhd, Selangor, Malaysia**

#### **Associate Technical Service Engineer, Database Department**

Aug 2020 - Dec 2022

- Analysed system performance by identifying processes with high resource consumption and implemented solutions to improve efficiency.
- Identified performance bottlenecks in database activities by analysing reports and implementing solutions to optimise processing times.
- Developed tools to track and measure database performance across various versions, ensuring system optimisation.

### **Application Engineer, Credit Management Banking Applications**

Mar 2019 - Aug 2020

- Contributed to the improvement of banking application functionalities by designing and developing software enhancements
- Successfully managed project transitions from testing phases to production environments, ensuring smooth implementation both onsite and remotely.
- Played a key role in identifying and resolving client and developer issues related to APIs and system configurations, ensuring project quality and user satisfaction.

## Education

### **University College Dublin, Dublin, Ireland**

**Present**

Masters of Science in Project Management

Expected to Graduate: September 2026

### **Sheffield Hallam University, Sheffield, UK**

**2018**

Bachelor of Engineering with Honours in Software Engineering

Second Class Honours (1st Division)

## Projects

### **MARS**, Members Allocation and Redemption System

**2024**

NodeJS Backend Developer

- MARS is a system designed for organisations to manage memberships and allow members to redeem items using allocated balances or vouchers.
- Key features include customizable campaigns and packages, real-time transaction monitoring, and the ability to set up acceptance points with preferred redemption methods.
- Integrated multiple allocation methods such as e-wallet top-up and voucher allocation, as well as redemption methods using registered card ID / NFC card or unique 6-digit code.

### **1SEA**, Super App

**2024**

NodeJS Backend Developer

- 1SEA is a super app platform with a Unified Identity and Authentication System for any features to be easily developed and integrated in the form of micro-applications.
- Collaborated with the frontend team to ensure a user-friendly and intuitive application experience.
- Led the development of custom APIs for external developers and facilitated seamless integration of their micro-applications.

[1SEA App on the App Store](#)

[1SEA App on the Google Play Store](#)

### **NIoTMS**, Nebula IoT Management System

**2023**

NodeJS Backend Developer

- NIoTMS is a management system that allows clients to manage and monitor their IoT machines remotely.
- This project transforms unattended machines into smart devices that can communicate with one another, involving payment and sales tracking features.
- Partnered with the frontend team to design a user-friendly and optimised portal for an optimum user experience.
- Coordinated with the IoT team in utilising the MQTT framework to understand and integrate machine-to-machine communication to manage the different IoT mechanisms.

## Technical Skills & Competencies

Programming Languages	HTML, CSS, SQL, C#, C++, X86 Assembly (basic), PHP (basic), Java, JavaScript, jQuery, Nodejs, AngularJS (basic), Processing, Swift 2.0, Express, React (basic), React-native (basic), MQTT
Operating Systems	Windows 10/11, macOS
Tools	Microsoft Visual Studio, NetBeans, Eclipse, Xcode, Arduino, XCTU, Git, Postman, Robo 3T, MongoDB, IntelliJ, Jira, PostgreSQL, Apache Maven, SQLDeveloper, MySQL, MobaXterm, Visual Studio Code, Gitlab, Docker, Kubernetes, Odoo, TeamGantt, Basecamp
Frameworks	.NET Framework, MVC Framework, Spring Boot Framework (basic)
Languages	Native English, Mandarin Chinese and Malay