

Teo Boon Wee

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 [bwteo](#) |  [b00nw33.github.io](#)

CAREER SUMMARY

Aspiring Junior Full Stack Developer with hands-on experience building simple web tools and automating workflows. I **enjoy breaking down problems, troubleshooting issues and improving the way things work.** My background in ICT and teaching sharpened my logic, clarity and user-first thinking. Now focusing on Java, Spring Boot, React and SQL, with growing interest in backend and API workflows. I'm ready to contribute by building features that work, support development tasks and help ship real improvements for users.

PROFESSIONAL DEVELOPMENT

Generation Singapore — SCTP (Full Stack Development)

October 2025 - February 2026

Completed a 12-week full-time immersive program under **Generation Singapore**, following the **Codecademy** Full Stack Developer track.

- Built an end-to-end full-stack web application using HTML, CSS, JavaScript, React, Java, Spring Boot, and MySQL.
- Implemented Jakarta Persistence API (JPA) for database integration and CRUD operations.
- Applied Git/GitHub workflows, Docker containerization, and Azure cloud deployment.

Microedge Academy — Capstone Project

Link: https://github.com/b00nw33/microedge_backend

- Designed ERD consisting of 7 tables and developed a Spring Boot backend (28 endpoints) with MySQL, implementing role-based access and user progress tracking.
- Built responsive, WCAG AA-compliant boilerplate featuring reusable components using HTML, CSS, JavaScript, and Bootstrap 5.
- Delivered a fully functional micro-learning platform through effective team collaboration and version control.

SKILLS

Frontend: HTML5, CSS3

JavaScript, Bootstrap 5, React

Backend: Java Spring Boot

Database: MySQL

Languages: Python, R

Tools: Git/Github, Docker

Digital Marketing

PROJECTS

ClassPulse

A full-stack waitlist app built with **TypeScript**, **Tailwind**, **Astro**, **Hono**, **Drizzle ORM**, **D1**, and **Cloudflare Workers**, adhering to industry standards such as automated testing, separate staging and production environments, delivering a responsive, scalable, and maintainable solution.

Link:

[classpulse-staging.aiteo.workers.dev](#)

Sec 3 Learning Trail

Link: [sec3.notion.site](#)

Guan Lee Hoe

Link: [glh.framer.website](#)

WORK EXPERIENCE

MOE, Singapore — Adjunct Teacher (Maths)

July 2024 - January 2026

Designed and built a website plus Google Forms to support Sec 3 Learning Trail activities (used by 300+ students, reduced admin time by 30%).

Integrated digital tools to streamline instructions and content access for students.

Zenitani, Singapore — ICT Trainer (Freelance)

August 2014 - July 2024

Conducted STEM and programming enrichment (Microbit, mBlock, Arduino) to introduce students to computational thinking and automation logic.

Guided students in writing simple logic-based programs and solving hardware-software integration tasks (over 10 classes, 200 students).

MOE, Singapore — School Teacher (Chemistry)

July 2008 - August 2014

Built Excel-based applications for academic performance analysis, improving accuracy of reporting and reducing processing time by 40%.

Developed digital tools for data validation and performance tracking across cohorts.

IMH, Singapore — Admin Assistant (Contract)

July 2006 - September 2006

Provided key administrative support during the 2006 launch of the Ministry of Health's Subutex Voluntary Rehabilitation Programme (SVRP), compiling and verifying live enrolment and patient data for over 1,300 participants during the two-week registration window.

Coordinated with clinical and administrative teams at the Institute of Mental Health to ensure accurate, compliant recordkeeping and timely reporting, supporting operational efficiency during the critical launch phase.

CERTIFICATES

Generation Singapore SCTP (Full Stack)

October 2025 - February 2026

NTUC Learning Hub

FUNDAMENTALS OF JAVA PROGRAMMING

DATA ANALYTICS AND CREATING INTERACTIVE DASHBOARDS USING PYTHON

DATA SCIENCE FUNDAMENTALS – MACHINE LEARNING USING R

AGILE COACHING

CERTIFIED SCRUM MASTER

November 2020 - January 2021

EDUCATION

University of Adelaide Master of Applied Finance

January 2016 - November 2017

Golden Key International Honour Society

Nanyang Technological University Master of Education

July 2010 - July 2013

Nanyang Technological University Post-graduate Diploma in Education

July 2007 - July 2008

National University of Singapore Bachelor of Engineering (Chemical)

June 2002 - June 2006