

Calvin Lee

MAINFRAME & BACKEND DEVELOPER

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Speak with My AI Agent

"I view AI as a force multiplier. Instead of spending hours writing syntax from scratch, I utilize advanced AI tools to handle foundational coding. This allows me to focus my energy on what matters most: high-level program planning, architectural logic, and ensuring the project aligns perfectly with business goals."

Experience

Maybank — Full Stack / Mainframe Developer *Mar 2024 – Present*

- **Banking Automation & SAFE:** Implemented Savings Related Projects (SAFE), managing critical mainframe functions to validate high-volume transaction conditions and ensure system stability using Assembler and COBOL.
- **Core AI Integration:** Acted as the primary technical tester for pushing generative AI usage directly inside core banking systems, ensuring secure operation and mitigating data risks via safe placeholder testing.
- **2026 Performance Recognition:** Awarded an exceptional 3.5-month performance bonus, significantly exceeding the standard target cap for the cohort tier based on top-rated year-end deliverables.

Maybank — Mainframe Developer *Mar 2023 – Mar 2024*

- **Internal Web Automation:** Developed confidential daily monitoring dashboards utilizing HTML, JS, and PHP, currently used by over 200 employees to streamline operations and map mainframe-to-open-system logic flows.
- **Preventative Failure Analysis:** Developed on request of Bank Negara & Audited By PWC to track internal system health for daily info, large quantity of data processed in house and to be converted to readable data. (Full Stack Development)
- **Zero Defect Stability & Resiliency Award:** Engineered an automated monitoring system that successfully reduced the time required to diagnose internal program slowness from a 2-day manual process down to under 1 hour.

Creative AI & Interactive Architecture

- **Melo Studio:** A creative side project involving the use of AI to compose, produce, and generate music entirely from scratch.
- **Direct API LLM Integration:** Implementing raw capabilities from models like Llama, Deepseek, Kimi, and Qwen directly into custom applications, including an AI Question Guessing Game and a Google Cloud Discord Agent.
- **Interactive Web Games:** Developed browser-based projects like "An Imposter Game" (Multiplayer) and "Slice" to experiment with real-time websocket connections and rendering mechanics outside of traditional core banking structures.

Education

- Bachelor of Engineering - BE, Information Technology
The University of Queensland (2021 - 2022) | QS World Ranking: #46 Globally
- Bachelor's degree, Information Technology
HELP University (Aug 2018 - Dec 2020)

Technical Architecture

Primary Focus: JCL, COBOL, Assembler, SQL

Modern Implementations: Node.js, Python, JavaScript, PHP, MongoDB, Direct LLM APIs

Awards (Maybank)

Zero Defect Stability and Resiliency - Awarded for optimizing internal system tasks. By creating an automated monitoring system, I reduced the time required to diagnose internal program slowness from a 2-day manual process down to under an hour, empowering developers to focus purely on core development tasks.

"Awarded an exceptional 3.5-month performance bonus, significantly exceeding the standard target cap for the cohort tier based on top-rated year-end deliverables."

Speak with my AI Assistant

I have built an intelligent, custom AI agent into my portfolio. Scan the QR code below to chat with it directly to learn more about my background, technical philosophies, and experience.

 <https://www.calvin-lee.org/>

