

# Ephraim Flores

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Formerly a Software Engineer in the Philippines, I transitioned to a small town in Manitoba, Canada. Faced with limited tech opportunities for newcomers, I explored various roles, eventually becoming an aircraft mechanic. However, my passion for computing never waned. Now, I am eager to reignite my career in the tech industry and have returned to school to sharpen my skills.

## Skills

**Languages & Frameworks:** C/C++, Java, Python, JavaScript, Kotlin, HTML, CSS, Node.js, ReactJS, FastAPI, Django, Bootstrap, Tailwind CSS

**Technologies & Tools:** AWS (DynamoDB, EC2, S3, Lambda), Firebase, MongoDB, Docker, REST API, GitHub, VS Code, Eclipse, IntelliJ, CLion, Android Studio, PyCharm, Vector CANoe, Fujitsu Softune Workbench IDE, SingleView, HP ALM

**Others:** Embedded Software Development, MCU Programming, Testing & Debugging, CAN/LIN Data Bus Network, Oscilloscope

## Relevant Work Experience

### Software Quality Analyst

*Philippine Long Distance Telephone Co. (PLDT)*

Aug – Nov 2015

*Makati City, Philippines*

- Performed GUI testing and backend testing using SingleView Convergent Billing System.
- Created and executed test scenarios for regression testing.
- Developed and maintained comprehensive test plans, cases, and bug reports to ensure full test coverage and clear communication of issues.

### Embedded Software Engineer

*Denso Techno Philippines Inc.*

Oct 2011 – Jun 2015

*Makati City, Philippines*

- Led six projects, managing estimation, task assignment, progress tracking, and final client deliverable – all completed on time and with high quality.
- Developed embedded software in C and Assembly for Toyota's HVAC system, following the V-model software development lifecycle to ensure traceability between design, implementation, and testing.
- Tested and validated modules through unit and integration testing using Vector CANoe and Fujitsu Softune Workbench IDE, applying black-box and white-box methods to identify defects and ensure system stability.
- Consistently recognized for high performance and leadership potential, earning assignments to senior-level projects ahead of peers.

## Education

### Computer Systems Technology Diploma

*British Columbia Institute of Technology*

Jan 2024 – Dec 2025

**CGPA: 91%**

### Bachelor of Science in Information Technology

*Pamantasan ng Cabuyao (University of Cabuyao)*

Jun 2006 – Apr 2011

## Projects

### Recipe Finder (Android, Kotlin, DummyJSON API) | Personal Project

Aug 2025

- Built an Android app using Kotlin and Jetpack Compose that lets users search recipes by ingredients, browse recipe catalogue, and save favourites for quick access.
- Integrated the DummyJSON API for fetching recipe data with custom query selections.
- Used Room database for local storage of saved recipes.

### pos-integrator (FastAPI, PostgreSQL, Docker) | Practicum(Stocky AI)

Apr – May 2025

- Contributed to five 1-week sprints, participating in daily stand-ups and weekly reviews.
- Built FastAPI endpoint to fetch POS data from Square and Clover APIs, storing it in a Docker-hosted PostgreSQL database.
- Developed Pytest unit tests to ensure integration reliability.

### ReloCash (AWS – Cognito, DynamoDB, EC2, S3) | Academic Project

Feb – Apr 2025

- Developed a full-stack moving-services marketplace in a 3-person team using JavaScript and Node.js, deployed on Amazon EC2.
- Implemented authentication with Amazon Cognito; managed data in DynamoDB and media in S3/EFS for scalability.

### CallScribe (Python, OpenAI API) | Personal Project

Nov 2024

- Developed a Python-based application for generating and analyzing call transcripts using OpenAI's GPT APIs.
- Implemented audio file upload and direct recording functionality within the app.
- Enabled users to ask questions about the transcript and receive accurate, AI-generated responses.

### DocuMint (ReactJS, Tailwind CSS, MetaMask Integration, Blockchain) | Academic Project

Apr – May 2024

- Collaborated in a team of five to develop a blockchain-based web application that enables users to convert their important documents into Non-Fungible Token (NFT).
- Implemented the front-end using ReactJS and Tailwind CSS and integrated the application with MetaMask wallet.