

Ephraim Flores

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SUMMARY

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. After recently completing the Computer Systems Technology program at BCIT, I am eager to re-enter the tech industry and apply my strengthened technical skills.

SKILLS

Programming Languages: C, C++, C#, Java, Python, JavaScript, Kotlin, HTML, CSS

Frameworks & Libraries: Node.js, Express, React.js, Django, Bootstrap, Tailwind CSS, FastAPI, PostgreSQL

Tools & Platforms: AWS, Firebase, MongoDB, Docker, REST APIs, GitHub, VS Code, Eclipse, IntelliJ, Clion, Android Studio, PyCharm

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 code for Toyota HVAC systems used in production vehicles, following the V-model SDLC.
- 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

GPA: 91%

Bachelor of Science in Information Technology

Pamantasan ng Cabuyao (University of Cabuyao)

Jun 2006 – Apr 2011

PROJECTS

DownTime (React Native, Expo, Node.js, Express, Prisma, OpenAI API) | nwHacks Hackathon

Jan 2026

- Built a cross-platform mobile wellness app using React Native and Expo for iOS and Android.
- Developed a Node.js/Express backend with PostgreSQL to store mood check-ins and reflections.
- Used the OpenAI API to generate personalized wellness tips and emotional insights from user data.

Obstacle Assault (Unreal Engine 5, C++) | Personal Project

Dec 2025

- Created a 3D platformer in Unreal Engine 5 and C++ with smooth player movement and physics-based obstacles.
- Managed game releases and updates using Butler to automate upload to itch.io.

Incident Reporting Portal (Django, React, PostgreSQL, Docker) | Practicum(IATSE Local 891)

Sep - Dec 2025

- Collaborated in a team of five to develop a full-stack incident reporting portal from scratch using Django, React, and PostgreSQL.
- Made significant contributions to backend development, including designing RESTful APIs, implementing role-based access control, and authentication workflows.
- Dockerized the backend services to ensure consistent development and deployment environments.

FaaSify (AWS – API Gateway, Amplify, Lambda, DynamoDB, SES, S3) | Academic Project

Oct – Dec 2025

- Collaborated in a team of 11 to develop a serverless e-commerce platform supporting buyer and seller accounts, storefronts, product listings, secure checkout, messaging, and store subscription.
- Implemented a storefront subscription and notification system using DynamoDB Streams and AWS Lambda to trigger automated email alerts via Amazon SES when new items are added.
- Built image upload functionality for seller listing by storing images in Amazon S3 and persisting S3 URLs in DynamoDB for scalable and reliable access.

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PROJECTS (continued)

BirdQuest (React, Node.js + Express, MongoDB, Hugging Face ResNet-50 Model) Academic Project	Nov 2025
<ul style="list-style-type: none">Collaborated in a team of 3 to build an AI-powered bird collection app that identifies bird species from uploaded images and tracks user collectibles.Integrated the Hugging Face ResNet-50 model by creating a custom Node.js + Express inference server to expose required classification details via REST APIs.Deployed the AI model on DigitalOcean and developed backend routes to communicate with the model and return predictions to the application.	
Recipe Finder (Android, Kotlin, DummyJSON API) Personal Project	Aug 2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.	
CallScribe (Python, OpenAI API) Personal Project	Nov 2024
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.	