

# GABRIEL IRA SIWA

SOFTWARE DEVELOPER

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📍 Calgary, AB

👤 GabrielSiwa

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## PROFESSIONAL SUMMARY

Versatile Software Developer with full-stack experience in Java, Python, React, and Node.js. Skilled in building scalable, client-facing web and mobile applications, including HR and real-time IoT systems. Proficient in REST API development, React Native with Expo, and database management using MSSQL, MongoDB, and PostgreSQL. Experienced with tools like GitHub, Prisma, and Vercel. Strong communicator with a proactive mindset in agile environments. Currently completing a Diploma in Software Development at SAIT.

## RELEVANT EXPERIENCE

### Software Development Student

**Southern Alberta Institute of Technology | Calgary, AB | January 2025 – August 2025**

- Developing a web-based Pharmacy Order Tracking System (POTS) for real-time order tracking and online ordering from local compounding centers.
- Designing and developing a centralized dashboard to automate order management, reduce manual processes, and minimize paper waste.

### Record Technician – Technology & Innovation

**Government of Alberta | Calgary, AB, Canada | September 2024 – December 2024**

- Automated quality control steps using digital tools, reducing manual processing by 40% and improving task efficiency by 30%.
- Improved document tracking and storage accuracy, contributing to increased departmental productivity by 25%.

### Back-End Java Developer (Co-op)

**Xurpas Inc. | Makati, Philippines | July 2022 - August 2022**

- Engineered backend logic and RESTful APIs for a client-facing enterprise system using Java and MSSQL, resulting in a 15% improvement in response time during a 200-hour training program.
- Implemented Argon2 encryption protocols to safeguard sensitive client data, significantly enhancing security compliance.
- Designed and integrated APIs with a Svelte frontend, improving frontend-backend communication and reducing development bottlenecks.
- Facilitated intern task assignments and coordinated sprint reviews with the project manager, improving team delivery efficiency by 10%.

## PROJECTS

### HUMANE EMPLOYEE MANAGEMENT SYSTEM

April 2025

Developed a full-stack HR management system using React, Next.js, and MongoDB, streamlining employee onboarding and task tracking.

**Tech Stack:** React, Next.js, Node.js, MongoDB, NoSQL, Prisma, NextAuth, TypeScript, Vercel

### ESP32-BASED LPG MONITORING SYSTEM WITH SMS NOTIFICATION

September 2023

Engineered an ESP32-based system for real-time LPG monitoring with automated SMS alerts, increasing household safety by providing early leakage detection.

**Development Stack:** C++, JavaScript, ESP32, HX711, SIM800L V2, Load Cells and Local Web Host.

## EDUCATION

### Diploma in Software Development

January 2024 – August 2025

Southern Alberta Institute of Technology (SAIT) | Calgary, AB, Canada

### Bachelor's degree in Computer Science

Awarded in August 2024

Cavite State University - Carmona | Cavite, Philippines