

GABRIEL IRA SIWA

SOFTWARE DEVELOPER

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☎ 825-558-0898

📍 Calgary, AB

🐙 GitHub

🌐 LinkedIn

🌐 Portfolio

SKILLS

Languages: TypeScript, JavaScript, Java, Python, C#, C++, SQL

Frontend: React, Next.js, Blazor, React Native (Expo), .NET MAUI, Svelte, Tailwind CSS, HTML, CSS, Bootstrap

Backend & APIs: Node.js, Express, ASP.NET, Spring Boot, REST APIs, ORMs & auth (Prisma, Mongoose, NextAuth, Argon2)

Databases: MongoDB, PostgreSQL, MySQL

Cloud & DevOps: Azure, Azure AI, Docker, Vercel, Git/GitHub, GitHub Actions, Postman

Tools & Platforms: VS Code, Android Studio, npm, Jest, Windows, Linux, macOS

Computer science & foundations: Data structures, Algorithms, System Design, Entity Relationship Diagrams, OOP, Unit Testing, System Architecture, Full-stack, Scrum, Agile and networking basics.

RELEVANT EXPERIENCE

SAIT | Full Stack Developer Student

Calgary, AB | January 2025 - August 2025

- Developed clean React components, popup flows, and NoSQL backed data models that cut rework tickets from 5 to 3 per sprint and helped teammates add new features faster.
- Acted as lead developer, coordinating front end and back-end integration for a small team and catching issues early, reducing QA defects from roughly 15 to about 8 per test cycle.
- Configured and improved GitHub Actions based CI/CD pipelines to build, test, and deploy to Azure, shrinking release time from around 45 minutes of manual steps to about 5 and supporting 2 to 3 releases per week.

Government of Alberta | Record Technician - Technology & Innovation

Calgary, AB | Sept 2024 - Dec 2024

- Automated manual work with VBA and PowerShell scripts that cut processing effort by roughly 50% for key tasks and increased throughput so the team finished the project on time.
- Built Excel tools that validate file numbers, remove duplicates, and show folder counts per box, cutting checks from about 2 hours to roughly 15 minutes and helping staff process more boxes per shift.
- Documented and standardized templates and workflows that helped new staff onboard in about 1 week instead of 2 and cut common data entry errors from roughly 10 to about 3 per batch.

Xurpas Inc. | Back End Java Developer (Co-op)

Makati, Philippines | Jul 2022 - Aug 2022

- Developed and optimized Java REST APIs with PostgreSQL, improving response times by roughly 40% and reducing crashes by about 50% for a client facing system.
- Implemented Argon2 based authentication and stricter data handling so passwords were always hashed, and sensitive client data followed stricter internal security rules.
- Tested endpoints in Postman and worked with frontend developers, reducing integration issues from about 10 to roughly 4 per release and helping the team ship features more smoothly.

RELEVANT PROJECTS

Pharmacy Order Tracking System (POTS)

React, Node.js, Express, MongoDB, Azure

- Built an internal purchase / order tracking app that streamlined approvals and access control, cutting manual steps by about 40% and speeding up order processing by around 30%, so staff could handle more work with less friction.
- Designed REST APIs and MongoDB aggregation pipelines that automated reporting and role based approvals, giving the team faster, more reliable visibility into order status without extra spreadsheets.
- Deployed the system on Azure with authentication, audit logging and basic observability, so issues are easier to trace and the app is safer and more stable in day to day use.

EyeMo - AI Accessibility Assistant

React Native, Azure Cognitive Services, Azure OpenAI

- Built an AI powered accessibility app that uses speech, vision and location features to help visually impaired users read text and understand their surroundings, turning complex AI services into a practical everyday tool.
- Enabled accessible interactions using speech to text, text to speech and vision APIs, so users can control the app primarily by voice and audio feedback.
- Increased usability with geolocation routing, haptic feedback and offline caching, making the app more dependable in real world conditions with limited connectivity.

EDUCATION

Diploma in Software Development, SAIT

Bachelor's degree in Computer Science, Cavite State University

Calgary, AB | Awarded in November 2025

Carmona, Philippines | Awarded in August 2023