

GABRIEL IRA SIWA

SOFTWARE DEVELOPER

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Full stack developer focused on building reliable internal tools and automation with React, Next.js, Node.js and Azure. I ship cloud deployed web and mobile apps that reduce manual steps, improve data accuracy and make day to day work easier for real users. With strong CS fundamentals, hands on experience delivering projects like a pharmacy order tracking system and an AI accessibility app, and a documentation first mindset, I ramp up quickly on new stacks and strengthen code quality and delivery for engineering teams

TECHNICAL SKILLS

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

Frontend: React, Next.js, React Native (Expo), Tailwind CSS, HTML, CSS, Bootstrap

Backend & APIs: Node.js, Express, 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, Windows, Linux, macOS

RELEVANT EXPERIENCE

SAIT | Full Stack Developer Student | Calgary, AB | January 2025 – August 2025

- Built clean React components, APIs and data models that reduced rework for teammates and made new features easier to extend.
- Owned front end and back end integration, resolving issues early and reducing QA defects to keep builds stable.
- Deployed applications on Azure using GitHub based CI/CD pipelines, streamlining releases and removing manual deployment steps.

Government of Alberta | Record Technician – Technology & Innovation | Calgary, AB | Sept 2024 – Dec 2024

- Built VBA and PowerShell automations that cut manual processing by about 40% and increased task throughput by around 25%, reducing workload across the records team.
- Created structured Excel tools and repeatable workflows that improved data accuracy and turned hours of admin work into minutes.
- Standardized templates and documentation that helped new staff onboard faster and reduced common data entry errors.

Xurpas Inc. — Back-End Java Developer (Co-op) | Makati, Philippines | Jul 2022 – Aug 2022

- Built 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, strengthening protection of sensitive client data.
- Validated endpoints in Postman and collaborated with frontend developers, reducing integration issues and helping the team ship features more smoothly.

RELEVANT PROJECTS

Pharmacy Order Tracking System (POTS) Stack: 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 Stack: 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 in SAIT

Awarded in November 2025

- Full-stack/tools: React/Next.js, TypeScript, Node.js/Express.js, SQL/NoSQL; backend with C#/ASP.NET Core Web APIs, Java/Spring Boot; 8-month practicum (POTS, EyeMo)

Bachelor's degree in Computer Science in Cavite State University – Carmona

Awarded in August 2023

- Foundations: data structures, algorithms, system designing, Entity Relationship Diagrams, OS, networking; software engineering in C++/Java/Python; capstone in IoT safety monitoring