

# Sam Sawan

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## SKILLS

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**Languages:** JavaScript, TypeScript, Go, Python, Java, C, C++, SQL, Dart, GDScript

**Cloud:** Firebase, AWS, Google Cloud

**Database:** SQLite, PostgreSQL, MongoDB

**Developer Tools:** Git, GitHub

## EXPERIENCE

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### NetRevenue

03/2025 – 11/2025

*Fullstack Developer*

*Montreal, QC*

- Architected and deployed webhook processing systems for GoHighLevel, Calendly, and Zoom integrations with OAuth 2.0 flows, deduplication logic, and automated retry mechanisms, processing 10k+ API calls daily.
- Engineered custom webhook using GHL automation workflows to capture no-answer call events, increasing dial reporting accuracy from 30% to 95% and enabling accurate sales performance tracking.
- Built comprehensive subscription management system integrating Whop API, implementing seat proration calculations, dunning processes, and payment failure recovery workflows.
- Built data pipeline syncing hiring data from Close CRM to BigQuery for recruiting analytics and automated reporting.
- Implemented mutex locking for OAuth token refresh operations to resolve race conditions in distributed Google Cloud Tasks, reducing integration error rate by 10% across customer integrations.

### TheDevFactory

09/2023 – 01/2024

*Software Developer Intern*

*Montreal, QC*

- Built a customized chat completion model leveraging OpenAI's ChatGPT-4 API to integrate code snippets and SonarQube reports, enabling real-time feedback and suggestions to users based on coding best practices.
- Enhanced model performance through iterative refinement of prompts and adjustments to API interactions, improving response relevance and accuracy.
- Proposed and implemented innovative strategies to optimize the AI code reviewer's functionality, focusing on delivering actionable insights based on industry best practices and software design principles.

### Apple

06/2022 – 04/2025

*Technical Specialist*

*Montreal, QC*

- Demonstrated strong problem-solving and debugging skills by diagnosing issues for Apple hardware and software, resulting in a 90% customer satisfaction rate for four consecutive quarters.
- Developed a systematic debugging routine to isolate the root cause of various issues like connectivity errors, application interaction conflicts and system malfunctions, resulting in an improved overall efficiency during appointments.

## EDUCATION

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### McGill University

09/2020 – 05/2024

*Bachelor of Science in Software Engineering*

*Montreal, QC*

## PROJECTS

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### Bookmarkd | Go, TypeScript, PostgreSQL, React, NextJS, Firebase, Docker, Figma

2024-2025

- Developed the frontend in TypeScript and NextJS using a component-based architecture, resulting in easier maintenance and ensuring scalability of the source code.
- Developed a scalable backend using Golang and PostgreSQL, designing a RESTful API to handle user requests and CRUD operations. Built relational database schemas that optimize query performance and support complex data models.
- Implemented key features, including a personalized book log for books already read, current reads and future reads, as well as a Book Club function for creating/joining clubs, sending invites, sharing comments, and updating reading progress.
- Integrated Firebase services, leveraging FirebaseAuth for secure user authentication.