

Owen Sweet

Software Engineer

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Technical Skills

Languages: Java, C, Typescript, HTML/CSS, Python, R, Kotlin, C#, Go, Elixir, Rust, SQL (MySQL & PostgreSQL)

Frameworks: React.js, Next.js, Django, ASP.NET, Node.js, JQuery, JUnit, Ktor, Pytest, FastAPI

Developer Tools: AWS, Azure, Docker, K8s, Git, Linux, Terraform, MongoDB, Selenium, Android Studio, GitHub Actions

Technical Experience

Software Engineer | *Kinexus Bioinformatics*

Sept – Dec 2025

- Led full stack development and deployment of legacy ASP.NET bioinformatics platform that serves over 2000 laboratories across 40 countries.
- Resolved 6 critical production blockers and optimized database query performance by **30%** across 5 API endpoints by eliminating redundant repository calls in queries across 10,000+ protein interactions.
- Architected and implemented a CI/CD pipeline using GitHub Actions, Docker, and Azure App Service.
- Resolved complex database migration and seeding issues in a 20-year-old codebase, integrating Entity Framework models with frontend components.

Software Engineer | *BCIT Engineering Department Accreditation System*

March – Apr 2025

- Engineered a new backend system from scratch to replace the legacy vendor platform for BCIT's Engineering departments, ensuring accreditation data could continue to be collected each semester.
- Designed a normalized relational database schema and built APIs, eliminating invalid entries and improving faculty data submission accuracy.
- Containerized and deployed the database and web app on BCIT servers using Linux and Docker.
- Set up a reverse proxy and load balancer using Nginx to ensure security and efficiency for the hosting server.

Agile Developer | *Golden Gaming*

Apr – May 2024

- Under Agile methodology, created a full-stack web gaming platform designed for senior homes, aimed at supporting cognitive health using JavaScript.
- Worked on back-end with Express.js, designed the profile page and games page logic, and helped fix bugs with the real-time chat system.
- Created pull requests and collaborated by merging different features and testing branches with Git.

Lead Developer | *Ada Analytics*

Feb – Jun 2024

- Led a team of four to create a stock scoring model that used Pandas to scrape and organize stock ticker information and public sentiment values for an AI-backed investment platform.
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Client Service Experience

Store Associate | *Winners Canada*

Aug 2023 – Jan 2024

- Showcased communication and problem-solving skills when working with colleagues to resolve customer issues.

Crew Member | *McDonald's Canada*

Summer 2022

- Worked with teams of 4 to 6 people to surpass hourly targets in a fast-paced environment, utilizing constant communication with co-workers and managers.
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Education

Computer Systems Technology | *BCIT*

Jan 2024 – Jan 2026