

SEAN DEVINE

Full Stack Developer | Toronto, Ontario

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Languages: JavaScript/TypeScript, Python, C/C++, Java, Kotlin, SQL, HTML/CSS

Frameworks & Libraries: React, Express.js, Ktor, Tailwind CSS, Bootstrap, Prisma, Jest, Supertest, JUnit

Other: Node.js, GraphQL, REST APIs, AWS (RDS, S3, EC2), PostgreSQL, Docker, CI/CD, Git, Agile/Scrum

Education

BMath, Computer Science (Co-op), *University of Waterloo* **Sept 2020 – Oct 2025**

- Relevant Coursework: Algorithms, Data Structures & Data Management, Object-Oriented Programming, Operating Systems, Databases, Machine Learning, Human-Computer Interaction, App Development

Work Experience

Co-Founder & Software Engineer | *Voluntas Technologies* **April 2025 – Present**

- Co-founded and led development of a production-ready volunteer-hour management platform for Ontario high school students and administrators, digitizing a previously paper-based process and currently undergoing school board procurement
- Architected and built a full-stack system including native iOS (Swift/SwiftUI) and Android (Kotlin/Compose) apps, a React administrative dashboard, and a NestJS/TypeScript backend with PostgreSQL, Clerk authentication, and AWS deployment
- Implemented offline-first data synchronization across mobile and web clients, projected to eliminate over 200,000 paper forms annually and reduce administrative overhead and fraudulent or duplicate volunteer-hour submissions

Full Stack Developer | *Structa Co (Early-stage, 8-person startup)* **Jan 2025 – Apr 2025**

- Rebuilt a React frontend from Figma wireframes with a component library, delivering a more consistent UI and cutting average latency by half
- Integrated Google Maps API & City of Toronto zoning API for property searches & zoning visualization
- Refactored backend with MVC using Prisma & PostgreSQL, reducing DB size by 43%

Full Stack Developer | *DSV Building Group* **Jan 2024 – Apr 2024**

- Built a React condo customization portal from Figma wireframes, letting buyers preview finish selections & cutting sales-client coordination by 50%
- Designed a PostgreSQL schema & Node.js/Express backend for multi-unit configs & approvals, replacing spreadsheets & reducing miscommunication
- Added API validation, & Jest tests to ensure reliable data sync between sales & construction teams

IT Consultant (Full-Time & Part-Time) | *University of Waterloo* **Sept 2023 – Aug 2025**

- Resolved over 2500 software & firmware issues for UWaterloo affiliates, earning an average 4.9 star review
- Documented procedures in Jira & delivered 40+ hours of new-hire training for knowledge transfer

Automation Developer | *Multimatic Inc.* **Sept 2022 – Dec 2022**

- Automated invoice approval workflows with Python & Power Automate, reducing average time by 65%
- Developed a secure automated payment system to process transactions exceeding \$50,000

Full Stack Developer | *SS&C Technologies* **Jan 2022 – Apr 2022**

- Developed a custom Apache NiFi processor to parse 10,000+ financial receipts weekly
- Designed & deployed a data pipeline for ingesting, processing, & updating receipt data in real time
- Debugged and resolved over 30 issues for a financial software API platform based in Spring Boot

Projects

Plant Trait Prediction Model | *Python, PyTorch*

- Ranked top 20% in a plant trait prediction model competition, using insights from reviewing literature
- Utilized a dataset of 40,000 plant images & corresponding tabular data from the iNaturalist database for model training using PyTorch