

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

Work Experience

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

Chronolog Journaling Application | *Kotlin, JUnit, Gradle, Docker, PostgreSQL*

- Built a full-stack journaling application using Kotlin Multiplatform with Jetpack Compose Desktop frontend, a Ktor backend, & PostgreSQL/Exposed ORM, enabling seamless data sync across platforms
- Implemented secure authentication with JWT and bcrypt-hashed passwords, integrated optional Google OAuth, and configured role-based access for journal CRUD operations
- Delivered a privacy-first, offline-capable journaling app, giving users full local control and optional sync

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

Real-Time Task Manager | *Node.js, React.js, AWS RDS, GraphQL*

- Developed a real-time task management backend using Node.js, Express, and GraphQL + PostgreSQL, enabling efficient CRUD operations and instant task updates
- Implemented a modular data layer with SQL-based models, connection pooling, and Jest/Supertest integration tests to ensure robust database interactions and API reliability

Education

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

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