

# Orel Ben Neriah

[orelbn.ca](http://orelbn.ca) | [github.com/orelbn](https://github.com/orelbn)

Bachelor of Computer Science – UBC - 2024 | Bachelor of Arts (Criminology) – SFU - 2020

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## TECHNICAL SKILLS

**Languages:** TypeScript, HTML/CSS, Python, C++, Java

**Frameworks & Libraries:** Next.js, React, Vue, Electron JS, Drizzle ORM, Lexical, AI SDK, Zustand

**Databases & Cloud:** AWS, PostgreSQL, Redis, DynamoDB, Supabase

**Tools & Testing:** Docker, Git/GitHub, Bun, Vitest, Playwright, Jest, Pytest, AWS CDK, SST

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## PROFESSIONAL EXPERIENCE

**Co-Founder**, Stride Software Inc., Vancouver

May 2024 – Sep 2025

- Launched a specialized AI Assistant for structural engineers, with a Python-based PDF ingestion pipeline for RAG, optimized performance with Redis caching, and integrated secure authentication and Stripe subscription billing.
- Released a desktop application for engineering calculations and documentation that handles large-context state management and implements a custom graph-based algorithm for efficient handling of calculations.
- Upgraded a client's Postgres database for managing a large amount of internal fenestration data, implementing row-level security, RBAC, and RPCs to build a secure and efficient system for handling bulk data uploads and complex data retrieval.
- Implemented multi-layer testing across all projects (unit, integration, E2E, and database testing), analytics, and CI/CD pipelines to ensure quality and efficient deployment.
- *Used Docker to support local development and testing, and deployed to AWS with infrastructure as code.*
- *TypeScript, Python, Next.js 15, Electron JS, React 19, AI SDK, Zustand, Postgres, AWS, Drizzle ORM, Docker, Vitest, Playwright, Git, Github, HTML, TailwindCSS, Supabase*

**Application Developer Co-op**, Service BC (BC Registries), Vancouver

May 2023 – Aug 2023

- Exceeded expectations by contributing 50+ pull requests, implementing new registration flows, fixing bugs, and improving code quality for the [personal property registry and manufactured home registry](#).
- Participated in stakeholder meetings, demos, and cross-team discussions to improve code quality and developer experience.
- *TypeScript, Vue, Jest*

**Web Developer Co-op**, Invoke Co., Vancouver

Sep 2022 – Dec 2022

- Successfully delivered new features for the live-streaming platform "[Incrowd](#)," resulting in a noticeable boost in its functionality. These features included upgrades to analytics tracking, seamlessly switching audio and video of multiple synchronized streams, and strengthened security measures.
  - Promoted teamwork and efficient collaboration by actively identifying and addressing issues through effective communication, leading to the resolution of obstacles and the timely completion of tasks.
  - *TypeScript, React, GraphQL, AWS API Gateway, AppSync, DynamoDB, IAM, Lambda, S3, and WAF*
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## OPEN SOURCE

**Math.js** - Updated TypeScript definitions to include generics, fixed bugs, and enhanced documentation to improve type safety, inference, and developer experience for TypeScript users.