

Robert Evans

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WORK EXPERIENCE

Software Engineer

Elemy

📅 March 2022 – Present

📍 Vancouver, British Columbia

- Implemented internal tools for primary launch of product using a **Kotlin** back-end with a **GraphQL** database and creating cross-team microservices and collaborated deeply with front-end for data modeling
- Presented several design proposals regarding data models, database structure improvements and full queries/mutations
- Re-designed logging and alarms for the codebase using **Datadog** to improve product monitoring
- Helped production level debugging during initial launch of product
- Optimized runtime for several APIs through architectural changes and major refactoring while maintaining backwards compatibility for several platforms

Software Engineer

Slalom Build

📅 June 2021 – March 2022

📍 Vancouver, British Columbia

- Used **AWS** suite of services such as DynamoDB, Lambda, API Gateway and CodePipeline to build and deploy APIs
- Developed lambda and step functions in **NodeJS**, **Typescript** and **Java** (legacy maintenance) for a payment processing application and E-Commerce application and runtime was optimized for scaling situations (such as Black Friday)
- Created automation scripts and developed the CDK to allow packaging and deployment of a pipeline for several environments (Dev, QA, staging, prod, etc.)
- Tested and debugged deployment pipelines as well as live lambdas and step functions for clients on short-notice basis
- Designed and implemented architectural changes regarding the flow of data through the API

Software Developer

Environment and Climate Change Canada

📅 May 2019 – September 2020

📍 Toronto, Ontario

- Developed code and properly structured files and workflow with the **Angular framework** and launching projects with **Node.js** as well as properly integrate different libraries and use APIs
- Worked on back-end components, mainly an in-house search system and then introduced many new features for accessibility, updating it to Angular from basic **Javascript/jQuery** and **HTML**
- Built 2 major components of a brand-new web app front-end, one using ag-grid and Highcharts for data analysis and other using OpenLayers (GIS) to track objects and place them on a map

EDUCATION

Honours B.Sc - Double Major in Computer Science and Chemistry, Minor in Mathematics

📅 2016 – April 2021 (Completed)

📍 University of Toronto

CORE SKILLS

Programming Languages

Python, Shell, Java, C, JavaScript, Kotlin, SQL, PHP, TypeScript, C++

Environment/Tools/Operating Systems

Bash, Git, GDB, Jenkins, Kibana, Node.js, Hasura

Databases

PostgreSQL, Oracle, MongoDB, neo4j, DynamoDB, GraphQL

Other Computer Science Experience

Robotics, A.I., Machine Learning, Neural Networks

Frameworks

Angular, React, Vue, Flutter, Spring

Object-Oriented Design Principles

Data Structures & Algorithms, Agile Methodologies, Scrum, UML, Design Patterns, MVC, Web Application Design

Languages

English (fluent), French (fluent)