

Jay Gudsson Software Developer

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Experience

Synapse GraphQL Gateway

2021

Co-Creator & Software Developer

Open-source tool for accessing legacy APIs from a single GraphQL endpoint

- Developed a GUI for easily adding various API types to the Gateway
- Engineered an Apollo Server Plugin to log error data for GraphQL requests
- Captured and stored real-time resolver latency data in MongoDB
- Implemented a dashboard for monitoring request and error data
- Built a pipeline to provision and deploy to serverless AWS infrastructure
- Created a Node.js CLI to reduce total calls into a few simple commands

BC Building Science & Sense Engineering

2016 – 2020

Civil Engineer-in-Training

Consulted on building envelope and structural remediation work

- Automated structural and financial analysis spreadsheets using VBA

Skills

Languages (JavaScript / TypeScript, Go, Python) • **Frameworks** (React, Svelte, Express)

Databases (PostgreSQL, MySQL / MariaDB, SQLite, MongoDB, Redis) • **Tools** (Docker, Git)

Education

Launch School

2020 – 2021

Online Software Engineering Program

Mastery-based Approach to learning JavaScript

University of British Columbia

2009 – 2014

Bachelor of Applied Science

Civil Engineering | Graduated with Distinction (3.95 GPA)