

Alex Drover


 alexfdrover.github.io  github.com/alexfdrover  alexfdrover@gmail.com  Vancouver, BC


Experience

Co-creator, Software Engineer

07/2021 - 01/2022

Monsoon

Monsoon (monsoon-load-testing.github.io ) is an open-source, serverless framework for running browser-based load tests in the cloud.

- Architected and built a serverless, auto-scaling, streaming ETL pipeline using AWS Fargate, S3, Lambda and Timestream to centralize metrics from remote nodes in a distributed system to a serverless time-series database.
- Developed and containerized a Node application that uses headless Chrome instances to simulate virtual user actions and extract session metrics.
- Built a CLI wizard for configuring and deploying all project components, as well as automating hundreds of AWS CDK API calls in deploying, operating, and tearing down the infrastructure.
- Developed a dashboard for querying, graphing, and exploring the collected metric data from AWS Timestream in near real-time using React and VictoryChart.
- Authored technical case study and tech talk, viewable at monsoon-load-testing.github.io 

Software Engineer

03/2020 - 07/2021

Developed various open source, full-stack web applications using Rails, React / Redux, Express, Node.js, Sinatra, PostgreSQL, MongoDB, and more.

Environmental Scientist

03/2018 - 03/2020

Vortex Group

Skills

Languages

Ruby, JavaScript, Golang, SQL, HTML/CSS

Frameworks

React, Redux, Rails, Express, Sinatra

Misc Competencies

Git, Github, Linux, Node, HTTP, OOP, REST API, PostgreSQL, MongoDB, AWS, CDK / SDK, Docker

Cloud / AWS


Lambda, Fargate, ECS, S3, EC2, Timestream, EventBridge, IAM, CloudFormation, CloudWatch

Education

Software Engineering (Capstone)

03/2020 - 01/2022

Launch School 

Multi-year, mastery-based software engineering curriculum, with progression gated by written exams and live coding interviews to develop problem solving and technical skills. Read more at launchschool.com/employers 

Bachelor of Applied Science - Civil Engineering

11/2011 - 03/2017

University of British Columbia