Alex Drover

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💼 Experience

Co-creator, Software Engineer   03/2020 – 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 ↗

Environmental Engineer   09/2020 – 08/2021
Core6 Environmental

Environmental Scientist   03/2018 – 03/2020
Vortex Group

🧠 Skills

Languages   **Frameworks**
Ruby, JavaScript, Golang, SQL, HTML/CSS   *React, Redux, Rails, Express, Sinatra*

Misc Competencies   **Cloud / AWS**
Git, Github, Linux, Node, HTTP, OOP, REST API, *Lambda, Fargate, ECS, S3, EC2, Timestream,*
PostgreSQL, MongoDB, AWS, CDK / SDK, Docker   *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