Jake deVarennes *Software Engineer*

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Technical Experience

Constellation, *Co-creator, Software Engineer* ↗   08/2022 – 12/2022

Constellation is an open-source tool that provides a simple command line interface for deploying geo-distributed load testing on AWS.

- Created a data-aggregation software using Node.js and AWS SDK that allows for a capacity of over 130 requests per second. (Node.js, SQLite3, AWS SDK, Timestream)
- Dockerized the data-aggregation software. (Docker)
- Created a data visualizer to provide a comprehensive way to ingest data returned from the load generation test. (Node.js, React, Axios)
- Developed CLI command which allows users to accomplish with a single command on Constellation which would take over 7 API calls to AWS to accomplish. (Node.js, Axios)
- Co-engineered a buffer system that prevents data loss from high-frequency database writes. (Node.js, SQLite3)
- Authored a comprehensive case study on the design decisions encountered while creating the framework and the different problems Constellation solves.

Software Engineer, *Open-source*   04/2021 – 12/2022

Developed open-source web applications with technologies such as Node, Ruby, Rails, PostgreSQL, React, JavaScript, HTML, and CSS.
- Bin of Requests: A Node.js application built using Express, Mongo, and PostgreSQL to capture and monitor HTTP requests.
- JobQuery: A Node.js job keyword tracking application built using Express, MongoDB, and React/Redux.
- Todos: A todo tracking app built using JavaScript and Handlbars on the frontend, and Node.js/Express for the backend.

Non-Technical Experience

Car Sales Associate, *Ford Motors*   05/2020 – 10/2021
- Sold vehicles in one of the toughest markets this century.   Pearland, TX

Outside Sales Representative, *Go Sharps*   12/2019 – 03/2020
- Made sales via appointment setting by both cold calling and office visits, eventually leading to a   Houston, TX
  sales presentation and close.

Education

Launch School, *Software Engineering & Full-stack Web Development*

University of Nevada Reno, *BA General Studies*

Skills

Languages

JavaScript, Ruby, Go (some experience) PostgreSQL, CSS, HTML

Cloud

AWS Services (DynamoDB, Lambda, EC2, API Gateway, S3, Timestream), Digital Ocean (droplets)

Libraries & Frameworks

React/Redux, jQuery, Express, Jest

Other

Docker, Git/GitHub, Neovim, Linux, RESTful APIs, PostgreSQL, SQLite3, MongoDB, Nginx, Git/Github, NPM