

# Jake deVarennnes *Software Engineer*

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## Technical Experience

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### 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.

- Lead development on the 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)
- Constructed the data visualizer which provides a comprehensive way to ingest data returned from the load generation test. (Node.js, React, Axios)
- Developed CLI command allowing users to accomplish with a single command on Constellation, which would take over 7 API calls to AWS to accomplish. (Node.js, Axios)
- Engineered a buffer system that prevents data loss from high-frequency database writes. (Node.js, SQLite3)
- Dockerized the data-aggregation component. (Docker)
- Collaborated with a remote/international team of engineers from the US, New Zealand & Canada, involving daily standups and pair programming.
- Authored Constellation's comprehensive technical white paper (<https://constellation-load-testing.github.io/casestudy.html>) and produced all front-end assets and animations for Constellation's website and tech talk

### 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 Handlebars on the frontend, and Node.js/Express for the backend.

## Skills

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### Languages

JavaScript, Ruby, PostgreSQL, CSS, HTML

### Libraries & Frameworks

React/Redux, jQuery, Express, Jest, Handlebars,

### Cloud

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

### Other

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

## Education

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

**University of Nevada Reno**, BA General Studies

## Non-Technical Experience

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### 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**

- Made sales via appointment setting by both cold calling and office visits, eventually leading to a sales presentation and close.

12/2019 – 03/2020

Houston, TX