Jake deVarennes

Software Engineer

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🪪 PROFILE

I'm a Software Engineer based in Houston, TX. I'm the co-creator of Constellation, a geo-distributed load-testing framework. I have multiple years of experience in both the Ruby and JavaScript ecosystems and am comfortable with AWS (mainly EC2, ECS, Fargate, Lambda, and Timestream) and Docker.

🧠 SKILLS

Languages (JavaScript, Ruby , PostgreSQL, CSS, HTML)

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

Libraries & Frameworks (React/Redux, jQuery, Express, Jest, Handlebars,)

Other (Docker, Git/GitHub, Neovim, Linux, RESTful APIs, PostgreSQL, SQLite3, MongoDB, Nginx, Git/Github)

📂 EXPERIENCE

Co-creator, Software Engineer, *Constellation* ⬈   Aug 2022 – Dec 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)
- 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/case-study.html)

Software Engineer, *Self-employed* ⬈   Apr 2021 – Dec 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.

Previous Roles   2014 – 2021
- Previous professional experience in sales.

🎓 EDUCATION

Software Engineering, *Launch School*   Apr 2021 – Dec 2022
A multi-year mastery-based course in programming fundamentals and best practices.

University of Nevada Reno, *BA General Studies*   Aug 2014 – May 2018
Focuses on both psychology and anthropology.