Jake deVarennes

Software Engineer

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📍 Houston, TX

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○ jakedevar

Skills

Backend:
Node.js, Ruby, MySQL, PostgreSQL, RESTful APIs, PostgreSQL, SQLite3, MongoDB, Nginx, Git/Github, NPM, Express

Front End:
JavaScript, React/Redux, HTML, CSS, jQuery

Other
Docker, AWS Services (DynamoDB, Lambda, EC2, API Gateway, S3, Timestream), Git/GitHub, Neovim, Linux

Education

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

University of Nevada Reno,
BA of general studies

Professional Experience

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

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

Technical Projects

Capstone project - 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.
- Co-created a data-aggregation software using Node.js and AWS SDK that allows for a capacity of over 130 requests per second.
- Created a data visualiser to provide a comprehensive way to ingest data returned from the load generation test.
- Developed functionality that allows users to accomplish with a single command on Constellation what would take over 7 API calls to AWS to accomplish.
- Prioritized scalability, simplicity, and comprehensibility of data when engineering solutions.
- Engineered solutions to take full advantage of cost-saving architecture enabled by AWS.
- Crafted solutions to handle AWS rate limits.
- Co-engineered a buffer system that prevents data loss from high-frequency database writes.
- Authored a comprehensive case study on the design decisions encountered while creating the framework and the different problems Constellation solves.

Launch School
04/2021 – 12/2022
- attended a mastery-based education program focused on software engineering fundamentals.
- developed open-source web applications with technologies such as Node, Ruby, Rails, PostgreSQL, React, JavaScript, HTML, and CSS.
- Selected Projects:
  - RequestPool: A Node.js application built using Express, Mongo, and PostgreSQL to capture and monitor webhooks
  - JobQuery: A Node.js job keyword tracking application built using Express, MongoDB, and React/Redux
  - Todos: A todo tracking app built using vanilla JavaScript on the frontend, and Node.js/Express for the backend