Jake deVarennes

Software Engineer

Software Engineer with two years of experience in both Ruby and JavaScript ecosystems. Led architecture design with a team of four to build Constellation, a geo-distributed load-testing framework. Which can handle up to 10,000 virtual users from all 26 AWS regions at once.

WORK EXPERIENCE

Software Engineer   August 2022 – January 2023
Constellation, Co-creator, Houston, TX

- Researched existing products to find most impactful features and explore architectural challenges
- Spearheaded development of the data-aggregation software using Node.js and AWS SDK engineered for a capacity of over 130 requests per second
- Constructed the data visualizer which provides a comprehensive way to ingest data returned from the load generation test from all 26 AWS regions
- Developed CLI command allowing users to accomplish with a single command on Constellation, which would take over 7 API calls to AWS to accomplish
- Managed engineering team that created a buffer system which decreased the data loss to 0% at a rate of over 130 Rps
- Wrote code from scratch which replaces the functionality of 3 open source tools that reduced overall API complexity
- Engineered data ingestion and retrieval system optimized for high read volume and complex analytical queries over large datasets
- Collaborated with a remote team of engineers from the US, New Zealand & Canada, across four time zones involving daily stand ups and pair programming
- Authored Constellation's comprehensive case study defining the problem domain, architectural design decision, and technical challenges faced when developing Constellation

Software Engineer   March 2021 – July 2022
Self-employed, Houston, TX

- Bin of Requests: A Node.js application built using Express, MongoDB, Postman, and PostgreSQL to capture and monitor HTTP requests
- JobQuery: A Node.js job keyword tracking software built with Express, MongoDB, Puppeteer, and React/Redux that processes 900 job listings at once and analyzes the top keywords present in each listing
- Swillreno.com: Architected website using Wordpress and saved the company over $750.00 and two weeks of development time

Sales Associate   August 2018 – Feburary 2021
Houston, TX & Reno, NV

- Became number one in contract volume at a medical waste removal startup using email marketing, cold calls, and in person meetings with medical professionals
- Became one of the top 5% of sales people in the region
- Initiated and managed business relationships with key customers

CONTACT

- Houston, TX (Open to Remote)
- +1-530-304-2873
- devarennesjacob@gmail.com
- linkedin.com/in/jakedevar
- github.com/jakedevar

SKILLS

Languages:
- JavaScript/Node.js
- Ruby
- Go
- HTML
- CSS
- PostgreSQL

Tools and Frameworks:
- React
- Redux.js
- jQuery
- Express.js
- MongoDB
- Linux
- Vim and Neovim
- RESTful APIs
- Jest
- Puppeteer
- Bootstrap
- MaterialUI
- Github/Git
- Docker

Cloud:
- AWS
- Digital Ocean
- Timestream
- EC2
- Fargate
- Lambda
- API Gateway
- S3
- DynamoDB

EDUCATION

Launch School
Software Engineering
April 2021— December 2022

University of Nevada Reno
Bachelor of Arts
Major in General Studies
Minors in Psychology and Anthropology
August 2014 — May 2018