

Jacob deVarenes

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Versatile software engineer with leadership experience and a proven track record of aligning projects with organizational goals. Skilled in full-stack development and team management, with a focus on driving growth and efficiency. Recent experience at a high-growth technology startup. Committed to exceeding expectations and fostering collaboration for optimal results.

SKILLS

Languages: JavaScript/Node.js, Typescript, Go, Ruby, CSS, HTML.

Developer Tools: Git, Docker, GitHub, AWS, Agile, Kanban, Linux, PostgreSQL, MySQL

Libraries & Frameworks: React, Redux, jQuery, Express, Jest, Handlebars, Puppeteer, MaterialUI, Bootstrap, Fastify, Ava, Sinon.

WORK EXPERIENCE

Software Engineer II

2023 - present

LitX, Davis, CA

- Developed a Python-biased RAG AI chatbot feature from the ground up, enabling dynamic interaction with user-uploaded documents and marking the company's first generative AI feature.
- Developed an in-house app in Typescript/Node.js, which became the cornerstone of customer support and business insights, addressing 4+ classes of support issues and adding valuable sales cycle insights and business metrics.
- Engineered a viral component that encouraged users to share the app, utilizing a blend of in-app notifications and email tools like SparkPost, resulting in a 32% surge in daily user engagement.
- Drafted rigorous end-to-end tests using Ava and Sinon to replace unit tests, leading to a 55% increase in code coverage from 12% to 67%.
- Spearheaded the company-wide transition to TypeScript, reducing bugs in production by 23% and cleaning up junk database entries, which reduced relational database costs by 40%.
- Mentored and supported two junior developers, teaching them the codebase and how to uphold quality code/organization standards. This resulted in a 30% improvement in the time-to-pull request rate.
- Led AWS cloud architecture optimization, reducing redundancies and saving 65% on the company's monthly infrastructure bill, significantly lowering operation costs.

Full Stack Software Engineer

2022 - 2023

Constellation, Houston, TX

- Directed the development of the data-aggregator component, utilizing AWS/Node.js, which served as the cornerstone of our ELT pipeline. Implemented a buffering system to reduce data loss by 63% and ensured its capability to manage a capacity of over 130 requests per second efficiently.
- Developed an intuitive data visualizer with React, allowing users to access comprehensive visual representations of data collected from load generation tests across all 26 AWS regions.

- Managed a remote team of global engineers spanning four time zones. Conducted daily stand-up meetings and pair programming sessions to facilitate clear communication and enhance collaboration efficiency.
- Utilized expansive knowledge and expertise in SQL to analyze redundancies and inefficiencies in the code, resulting in a significant 91% increase in the efficiency of the database call.
- Created and disseminated a YouTube presentation to enhance junior engineers' professional growth. The presentation reached close to 2,000 colleagues and helped foster a culture of continuous team and individual improvement.

Junior Software Engineer

Open Source, Houston, TX

2021 - 2022

- Engineered job keyword tracking software using Node.js, Express, MongoDB, Puppeteer, and React/Redux to process 900 job listings simultaneously and analyze top keywords in each listing, enhancing job search efficiency.
- Developed the backend for "Bin of Requests," a Node.js application utilizing Express, MongoDB, Postman, and PostgreSQL to capture and monitor HTTP requests, improving request tracking and management.
- Engineered a complex full-stack application for exhaustive searches across Shakespeare's complete works, integrating Go, React, SQLite3, and Tailwind CSS technologies, providing users with comprehensive search capabilities.
- Independently developed various other open-source web applications to solidify software engineering foundations, utilizing technologies such as Node.js, Ruby, PostgreSQL, React, JavaScript, HTML, and CSS, enhancing programming skills and expertise.

Sales Associate

Ford, Houston, TX

2020 - 2021

- Consistently maintained a 95% customer satisfaction rate based on post-sales surveys. Achieved consistent placement in the top 50% of sales professionals each month across the state of Texas.

Medical Sales Associate

Go Sharps, Houston, TX

2020 - 2021

- Facilitated service contracts for a company in the medical sector valued at over \$5 million while consistently maintaining a 98% customer satisfaction rate based on post-sales surveys.

EDUCATION

Software Engineering

Launch School, Online

2022

Bachelor of Arts (B.A.) - Psychology & Anthropology

University of Nevada, Reno

2018

AWARDS AND HONORS

Eagle Scout

2013