

# John Montgomery

Lead Full Stack Engineer, SaaS Platform Architect

Alameda, CA

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## EXPERIENCE

### Roo Veterinary Inc **Software Architect**

2022 - 2023

Architected and spearheaded the separation of our marketing website from the web portion of our cross-platform product, leveraging Cloudflare and AWS Cloud ALB design to empower marketing teams with enhanced control over the timing of marketing updates. Implemented deployment automation using GitHub Actions integrated with Terraform to ensure seamless, zero-downtime FE and BE dockerized server deployments. Instituted an automated nightly process for securely cloning, scrubbing, and regenerating mock data, ensuring our test environment consistently possesses up-to-date, production-quality data. Additionally, I broke out backend customer payment functionality into microservices utilizing AWS Batch for batch processing tasks and AWS Lambdas for event-driven operations, optimizing scalability and maintainability of our system architecture.

### Roo Veterinary Inc **Engineering Lead**

2019 - 2022

Lead engineer and platform architect for veterinary staffing solutions SaaS product. Aiding the founders to grow the engineering team by onboarding and mentoring new engineers, establishing coding conventions and efficient development processes. Balancing the priorities of a small start-up for rapid feature development while planning for platform scalability, security, system maintainability and disaster preparedness.

### Healthcare Scheduling **Senior Full Stack Engineer**

2017 - 2018

Lead engineer and platform architect for office management SaaS product for optometry offices using AWS, Docker, NodeJS, Express, Redis, PostgreSQL, ReactJS, Redux and HTML/CSS.

## SKILLS

SaaS Platform Design,  
Database Architecture Design,  
Microservice Architecture,  
AWS Services,  
Google Services,  
Project Management, Jira,  
Confluence,  
API integrations with Stripe,  
Dwolla, Twilio, Firebase Cloud  
Messaging, Github, Slack,  
Hubspot

Docker, Redis, NodeJS,  
Express, NextJS, MySQL,  
PostgreSQL, ReactJS, Redux,  
Typescript, Javascript,  
HTML/CSS

## ADDITIONAL LANGUAGES

Spanish

## COMMUNITY INVOLVEMENT

Youth Soccer Coach

## EDUCATION

Stanford University

BA Latin American History

University of Washington

BFA Printmaking/Design

## **Reverse Risk** Full Stack Engineer

2012 - 2016

Collaborated with a small team of engineers and car dealership executives to build a SaaS data analytics and reporting product for Car Dealerships that was profitable, growing fast in sales and purchased by the privately held Reynolds and Reynolds. The technologies I worked with included AWS Elastic Beanstalk, nodeJS, Express, MSSQL, and Redis.

## **Scientific Learning** Director of Game Design

2010 - 2011

Managed internal and external team of UI designers, animators, illustrators, and sound designers. I had both people and project/budget management responsibilities along with leading educational game prototyping.

## **Scientific Learning** Lead Prototype Designer

2008 - 2009

Collaborated with cross functional teams to design gamified adaptive learning software for language learning impaired children in the k-12 education market. I was both the lead UI/UX designer and lead functional design prototyper, coding fully functional game interactions for internal review and user testing. The learning software was used by over 1 million children.