Steve Kriz

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Technical Skills

Frontend: JavaScript, React, React Native, CSS, HTML, Webpack
Backend: Node.js, Express, MongoDB, PostgreSQL, MySQL, DynamoDB, Nginx, AWS Amplify, RESTful APIs, GraphQL
Deployment & Testing: Amazon EC2, S3, Heroku, Docker, CircleCI, Jest, Enzyme, Mocha, Chai, Jasmine, New Relic, k6, Loader.io

Software Engineering Applications

Back-End Software Engineer - Apex - *a web application to reserve rental property*   github.com/stevekriz/Apex-Carousel
React, Node.js, Express, Nginx, PostgreSQL, Amazon EC2
- Optimized database query through schema design and indexing to improve query time by 99.9% from 325 ms to 0.5 ms
- Identified system bottlenecks using **New Relic**, **k6**, and **Loader.io** to prioritize high ROI optimizations to maintain a 63 ms response time under 7000 RPS with a 0% error rate
- Scaled microservice horizontally to 7 **Amazon EC2** t2.micro instances with **Docker**, increasing throughput from 100 RPS to 7000 RPS

Full-Stack Engineer - HouseHub - *a web application to reserve rental property*   github.com/stevekriz/HouseHub-Reviews
React, Node.js, Express, MongoDB, CSS, HTML
- Established and automated unit and integration tests with **CircleCI**, **Jest**, and **Enzyme** to guide test-driven development
- Developed the reviews microservice by leveraging **flexbox**, **styled-components**, and **media queries** to dynamically render content across various screen sizes and browsers
- Created an algorithm to identify and markdown keywords in the reviews and built a modular frontend in **React** to display reviews that feature keywords in real-time, allowing the user to access important information quickly
- Improved page load speed by 40% from 0.5 s to 0.3 s by replacing **Node.js** and **Express** reverse proxy with **Nginx** and enabling HTTPS to allow for the use of Brotli text compression

Full-Stack Software Engineer - Teetotaler - *a mobile application to hire a driver*   github.com/stevekriz/Teetotaler
React Native, React Navigation, Google Maps, AWS Amplify, Cognito, Lambda, DynamoDB, AppSync, GraphQL
- Leveraged **AWS Amplify** to expedite development of user authentication and back-end functionality
- Integrated interactive maps, geocoding, places autocomplete, and directions using Google API to provide users with an aesthetic interface for hiring drivers
- Enhanced application ease of use with React Navigation by including a convenient navigation drawer

Experience

Pharmacyclics, An AbbVie Company - *Manager, Global Supply Chain and Logistics*   August 2015 - December 2019
- Executed activities for blockbuster oncology drug, IMBRUVICA, achieving growth of annual worldwide net revenues from $1B to $5B within four years
- Spearheaded weekly cross-functional team meetings that reduced lead time by 25% through iterative improvements driven by metrics and negotiation with key stakeholders
- Successfully merged and headed the logistics and GMP warehouse units, boosting efficiency and resource allocation planning without disruption to business, patients, and compliance
- Partnered with, oversaw, and coordinated contract manufacturing organizations, ensuring on-time delivery of drugs

Education

Hack Reactor - Advanced Software Engineering Immersive Program   February 2021
UCLA - Bachelor of Science