

KYLE SHELTON

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SUMMARY

Programming feeds my desire to see my ideas come to life, along with my passion for aesthetically pleasing design, and my natural inclination towards problem solving. As a software developer, I am always striving to create efficient systems and intuitive, elegant user interfaces.

TECHNICAL SKILLS

LANGUAGES: Javascript (ES5/ES6), C++

FRONT END: React, React Native, Redux, HTML5, CSS3, SQL

BACK END: Node.js, Express, MySQL, PostgreSQL, MongoDB, RESTful API Development

TESTING/DEPLOYMENT: Mocha, Chai, AWS EC2, Firebase, Nginx, K6

DEVELOPER TOOLS: Git, npm, Webpack, Babel

APPLICATIONS

BLUE CHECKS | *React Native, Firebase, Axios, Expo*

Worked in an agile team environment to develop a mobile first application for viewing and rating police experiences

Implemented authenticated user login through email and Google Firebase, adhering to the OAuth 2.0 industry standard

Deployed live chat rooms and user post feed, as well as a review module to rate an experience with a police officer

SYSTEM DESIGN PROJECT | *MongoDB, PostgreSQL, Nginx, K6, AWS EC2, Express.js, React.js, Loader.io*

Scaled data set from 100 to 10M entries via a CSV seed script and benchmarked performance with K6

Refactored legacy code base to support the the transition from mySQL to postgresQL

Deployed application to AWS EC2, achieving 2000 RPS with a latency of 60ms

Implemented Nginx Round-robin load balancing and server caching to achieve a throughput of 6500 RPS with a 0% error rate and an average latency of 66ms in testing, resulting in a 300% increase in average RPS

E-COMMERCE CLONE | *React.js, Node.js, Express, MySQL*

Worked in a team environment to replicate the Fenty Beauty website in React.js

Rendered 100 unique review modules, utilizing sorting methods to dynamically render my dataset by most helpful, most recent, and by product rating

Integrated each team members micro component onto a proxy service

EDUCATION

HACK REACTOR | *ADVANCED SOFTWARE ENGINEERING IMMERSIVE PROGRAM*

2020

Full-Stack application development

EAST LOS ANGELES COLLEGE

2018-2019

Relevant Coursework: Introduction to Computer Science, Programming in C++

UNIVERSITY OF CALIFORNIA, RIVERSIDE | *CHEMISTRY*

2016-2018

Relevant Coursework: Introduction to Computer Science