

Jan Kevin Velasco **TEMPLATE RESUME

NOT REAL

Software Engineer

Lorton, Virginia (Open to Remote) | (571) 278-2670 | jkvelasco2018@gmail.com
linkedin.com/in/velascojk | github.com/velascojk

TECHNICAL SKILLS

Front End | JavaScript (ES5 and ES6), React, Next.js, MUI, HTML5, CSS3

Back End | Node.js, Express, PostgreSQL, MongoDB, MySQL, Firebase, RESTful API Development

Testing/Deployment | Jest, Mocha, Chai, AWS: EC2

Developer Tools | Git, npm, Webpack, Babel, Agile Methodology, TDD

SOFTWARE ENGINEERING APPLICATIONS

Back-End Software Engineer | Name of Application 2022

Backend system redesign for reviews module of legacy e-commerce microservice JavaScript | Node.js | Express | PostgreSQL | EC2

- Optimized existing monolithic back-end of an e-commerce website to handle 360,000 requests per minute with low latency (<20 ms) and error rate (<0.1%) by horizontally scaling microservice to 5 AWS EC2 instances and using a least connections load balancing method with NGINX to increase fault tolerance
- Leveraged K6 and Loader.io to identify performance bottlenecks, then implemented caching to lower frequency of database retrieval to allow for a throughput increase of 733%
- Reduced query times to database from 6,000 ms to 12 ms by using aggregator functions and indexing foreign keys
- **Github:** Readme

Front-End Engineer, UI Lead | Name of Application 2022

Remote learning management system web application JavaScript | Next.js | MUI | Node.js | Firebase | Jest

- Facilitated discussions with front-end team to assess client expectations and constructed Figma wireframe
- Developed front-end skeleton using modular, reusable React components and made final calls for production-level UI changes
- Directed modeling of data and API endpoints to allow for seamless frontend integration to backend
- Implemented server-side rendering with Next.js to improve page load time, achieving Google Lighthouse SEO score of 100
- **Github:** Readme

Front-End Software Engineer | Name of Application 2022

Single page e-commerce website JavaScript | React | Express | EC2 | Jest

- Architected a front-end service of a ratings and reviews system to allow users to post reviews, view average ratings, search by keyword, and sort by helpfulness, relevance, date, and/or star ratings for a specific product
- Improved web page quality by enabling text compression through Brotli and React Lazy Load, increasing Google Lighthouse performance by 132%
- Tracked user interactions throughout the application with React higher-order components to reuse component logic

- **Github:** Readme

Full-Stack Software Engineer Name of Application	2022
<i>Yelp business randomizer</i>	JavaScript React Node.js
Express MongoDB	
<ul style="list-style-type: none">• Generate random Yelp business from Yelp API based on user's zip code and cuisine of choice to help users make decisions on where to dine• Utilized MongoDB to create a database allowing each user to store, delete, and update their favorite businesses and restaurants• Github: Readme	

EDUCATION

Hack Reactor - Advanced Software Engineering Immersive Program	2022
University of Something, Campus - Bachelor of Arts, Underwater Basket Weaving	2021