

Technical Skills:

Front end: JavaScript, React, React Native, HTML, CSS, jQuery, D3.js, GraphQL, Babel, Webpack, HTTP, REST API

Back end: Node.js, Express, ASP.NET, MySQL, MongoDB, Cassandra, PostgreSQL, Authentication, SQL, noSQL, ORM

Other: Git, Nginx, Python, Mocha, Jest, New Relic, Docker, AWS (EC2, S3, Lambda), TDD, Agile, CI, Microservices, MVC

Experience:

ConfigFab, Inc - Sacramento, CA, *Full Stack Software Engineer* July 2019 - Present

- Developed front-end website email list report feature for admin users using C# in ASP.NET MVC.
- Seeded SQL database and created MVC components for new ecommerce products
- Updated authentication forms to include more data points. Reflected changes in the backend and database.
- Coded python scripts to create adaptable 3D models based on user input.
- Used Inventor to create engineering specification drawings for manufacturable 3D parts.

Pepsico, Inc - Oakland, CA, *Supply Chain Associate* July 2018 - July 2019

- Managed quality, production and maintenance departments on a daily basis ensuring average production output was 70% or more while creating a safe and quality product.
- Decreased minor stops downtime by 20% implementing solutions using Lean Six Sigma and TPM.
- Decreased worker injury by designing and implementing an improved engineering design on the assembly line allowing easy disposal of hot liquid without direct contact.

Software Engineering Projects

Full-Stack Engineer - *MERN stack web application to browse and book nearby homes*

- Developed an interactive front-end photo gallery and carousel microservice showcasing an adaptable and user-friendly design using CSS modules, React.js and CSS Grid.
- Developed unit and end-to-end tests with Jest and Enzyme to guide test-driven development
- Deployed home rental microservice and a smart proxy using Docker and Amazon Web Services (EC2) to achieve service-oriented architecture design.

Software Application Engineer - *Restaurant suggestion web and mobile application*

- Developed a MERN stack web application based on user preferences, GraphQL, and third-parties APIs
- Created React Native version of the application, which implements D3 for User Interface.

System Design Engineer - *Built the backend of a restaurant review application*

- Increased server request per second from 300 to 1200 by horizontally scaling microservice to 3 AWS instances and using an Nginx Load Balancer to improve site performance.
- Achieved an average latency of 60 ms or less by scaling Cassandra database from one node to three nodes with a replication factor of two. Increasing data availability decreased data retrieval time.
- Stress tested using Loader.io and Artillery while using New Relic to identify performance bottlenecks.

Education:

Hack Reactor - Advanced Software Engineering Immersive

October 2019 - January 2020

University of California, Davis - Bachelor of Science, Mechanical Engineering

September 2014 - June 2018

- Relevant courses: MATLAB, EES, Arduino