

# Abraham Esparza

abrahamesparza.dev@gmail.com  
(213) 246 9318

## Skills

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Front-end: Javascript (ES5 & ES6), HTML, CSS, SASS, React, Style Components, NextJS

Back-end: NodeJS, Express, MySQL, MongoDB, Mongoose, RESTful APIs

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

Developer Tools: Git, npm, Webpack, Babel

## Projects

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Quotes | Software Engineer | [React](#), [Node](#), [Express](#), [MongoDB](#), [Webpack](#), [Flexbox](#), [Grid](#), [Bcrypt](#), [JWT](#)

- Built modular front-end view with React to display inspirational quotes
- Designed document based schemas with MongoDB and Mongoose for flexibility in data modeling
- Created RESTful API with Node and Express for scalability and maintainability
- Implemented authentication with Bcrypt and JWT for proven security and encryption

Nike Products Page | Software Engineer | [React](#), [Node](#), [Express](#), [MySQL](#), [Webpack](#), [AWS](#), [Jest](#), [Enzyme](#), [Grid](#), [Flexbox](#)

- Developed and deployed a full stack application to meet the functional and visual requirements of the Nike product page images module
- Created RESTful API with Node and Express to retrieve queried product details
- Composed unit tests using Jest and Enzyme

Airbnb System Design | Software Engineer | [React](#), [Node](#), [Express](#), [MongoDB](#), [Webpack](#), [Faker](#), [New Relic](#), [SuperTest](#)

- Built data generation script populating database with 10M records using Faker API
- Refactor database search algorithm to reduce query time under 50ms
- Stress test GET and POST routes for scalability and maintainability

Cow List | Software Engineer | [React](#), [Node](#), [Express](#), [Webpack](#), [MongoDB](#)

- Built a RESTful CRUD application with an interactive user interface

## Education

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Hack Reactor, Remote

10/2019-07/2020

Relevant learnings include Data Modeling and Inheritance Patterns, Data Structures and Algorithms, REST and CRUD operations, React, Servers and Node, Databases and Authentication which all culminated in two capstone projects: Front End and Systems Design.