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# Melvin Viana

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## Tech Skills:

- **Front End:** JavaScript (ES5/6+) | React | Redux | Material-UI | jQuery | CSS | Bootstrap
- **Back End:** Node | Express | MySQL | MongoDB | PostgreSQL | Sequelize
- **Deployment/Testing:** Jest | Enzyme | AWS EC2 | Heroku | Selenium
- **Other:** Git | npm | Webpack | JIRA | C# | ASP.NET | Linux | New Relic | Artillery | Loader.io

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## Software Engineering Applications

**BnB** - Backend Engineer | *PostgreSQL, Express, AWS EC2, Artillery, Loader.io*

*Online booking marketplace application*

- Executed and monitored stress tests to isolate areas of improvements in backend
- Improved throughput 58% by deploying backend parts on EC2 to increase data transmission per second
- Refactored legacy database schema to migrate from MongoDB to PostgreSQL
- Minimized database lookup speeds to optimize data retrieval

**Craftsy** - Full Stack Engineer | *React, Express, Jest, Enzyme, MySQL, AWS EC2, Webpack*

*eCommerce product page; dynamically renders page dependent on product data*

- Facilitated modular code to keep app maintainable and to apply the separation of concerns principle
- Implemented test driven development to clearly define desired software behavior before coding
- Designed and implemented REST API to seamlessly access backend data from the client side.

**AniWatchList** - Full Stack Engineer | *React, Material-UI, Jikan, Express, Pug, MongoDB, Webpack*

*Anime Watch List utilizes data from Jikan API*

- Applied Material-UI React components to create better user interfaces and multifunctional components
- Developed server side PUG templates with the intention to dynamically render views based on URL

**Library Manager** - Full Stack Engineer | *Pug, Express, SQLite, Sequelize, Heroku*

*Library Database management system*

- Configured environment-specific settings to test and deploy code on different environments
- Simplified database interactions by using Sequelize in order to access SQLite database asynchronously

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## Relevant Work Experience

**Internet Brands** - Quality Assurance Engineer

2018

- Worked closely with the various dev teams to understand and build better test cases and test suites
- Revamped existing test cases to improve readability and modularity
- Verified software bugs to the Production and QA team to improve software

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## Education

**Hack Reactor** - Advanced Software Engineering Immersive

2020

**Teamtreehouse** - Front End Web Development Tech Degree

2019

**San Diego State University** - BSBA in Management Information Systems

2017

**Miramar Community College** - AS in Computer and Information Sciences

2014