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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

System Design Capstone - PostgreSQL, Express, AWS EC2, Artillery, Loader.io, New Relic
Online booking marketplace application
- Executed and monitored performance tests to isolate areas of improvements in database and server interactions
- Horizontally scaled backend components, i.e. database and microservices to improve load times

Craftsy - React, Express, MySQL, AWS EC2
eCommerce product page; dynamically rendered page dependent on product data
- Designed and created a mySQL database schema to hold a variable amount of data, displayed dynamically on a React microservice
- Deployed application on an AWS Ec2 web server to implement a service used in the team's microservice architecture
- Applied the Separation of Concerns design pattern by strictly defining where data is used on each React Component

AniWatchList - React, Material-UI, Jikan, Express, Pug, MongoDB
Anime Watch List app utilizing data from Jikan API
- Implemented server side templates with PUG, to dynamically render html in Express
- Learned how to use Material-UI to develop React Components easier and faster

Library Manager - Pug, Express, SqLite, Sequelize, Heroku
Library Database management system
- Configured environment-specific settings to account for development environment and Heroku production environment
- Used Sequelize to simplify database interactions and to use it's asynchronous capabilities

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Relevant Work Experience

Quality Assurance Engineer - Internet Brands   2018
- Revamped existing test cases by improving readability and modularity in the test suites
- Improved software by verifying and reporting bugs to the Production and QA team
- Communicated with the engineering and QA team to understand features and functionalities to build better test cases and test suites

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Education

Advanced Software Engineering Immersive - Hack Reactor   2020
Front End Web Development Techdegree - Teamtreehouse   2019
BSBA in Information Systems - San Diego State University   2017
AS in Computer and Information Sciences - Miramar Community College   2014