ZACHARY MCMANUS

Software Engineer

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LinkedIn: linkedin.com/in/zacharymcmanus   **GitHub:** github.com/zacharymcmanus   **Portfolio Site:** zacharymcmanus.com

TECHNICAL SKILLS

Languages
- JavaScript (ES5, ES6, TypeScript)
- Python
- Java

Libraries & Frameworks
- Angular
- Ionic
- React
- Redux
- Socket.io

Front-End
- HTML5
- CSS3
- Sass
- AJAX
- jQuery
- Materialize
- Bootstrap

Server
- Node
- Express
- Django
- Spring

Databases
- MongoDB
- MySQL
- SQLite

Cloud Technologies
- AWS (EC2)
- Firebase
- Heroku
- Netlify

Methodologies
- Git
- MVC
- OOP
- HTTP
- REST APIs
- Responsive Web Design

Web Technologies
- HTTP/HTTPS
- SSL
- JSON

Design Software
- Adobe Illustrator
- Adobe Photoshop
- Adobe XD
- Balsamiq
- Figma

EXPERIENCE

Silicon Valley Polytechnic Institute
Dec 2019 - Feb 2020

Front-End Software Engineer

- Designed and developed custom UI for new payment platform.
- Refactored multiple Angular services using modern JavaScript features in ES6+.
- Created multiple unit tests to validate that certain functions perform as designed using Jasmine & Karma.
- Applied responsive design using css grid, flexbox, and custom media queries to ensure the application is streamlined across multiple devices.
- Managed deployed application with AWS EC2 Ubuntu using Nginx with SSL.

Valley Medical Center Foundation
Nov 2018 - Aug 2019

Full-Stack Software Engineer

- Developed watchlist for tracking live auction bidding items for fundraising events using JavaScript, Node.js, Express, Socket.io, and MongoDB, facilitating over $500K raised per year.
- Resolved data flows issues related to saving updates to auction items, improving edit time by 2X as well as donation package accuracy utilizing JavaScript and jQuery.
- Implemented websockets for real-time updates using JavaScript, Node.js, Express, MongoDB and Socket.io, reducing processing load by over 5000%.
- Designed UI utilizing Balsamiq to create well thought out wireframes with easy to follow user interface (UI).
- Participated in scrum agile development, actively engaging in daily standups, code reviews, planning sessions, and QA testing of new features going into production.
- Recruited and trained three new developers utilizing self-designed candidate-selection process.
- Performed application testing on multiple devices (mobile, tablet, desktop) for streamlined user experience.
- Managed deployment of application using Media Temple and Plesk.

EDUCATION

Coding Dojo
2018

Certificate in Full-Stack Web Development

California State University, Sacramento
2015

Bachelor of Science in Exercise Science

PROJECTS

inHauze Jobs
2020

- Synopsis: Working with a team of developers from Bolivia to build a web application for users to contract hourly jobs such as tutoring & in-home services to promote economic growth in the South American community.
- Technologies: Using React for the front-end, creating secure REST APIs using Node/Express, Firebase for a NoSQL real-time database & authentication, and Azure DevOps for CI/CD pipeline.

Miscasas
2020

- Synopsis: Built a rental manager app for my parents to easily manage their rentals, collect rent, and receive applications from future tenants.
- Technologies: Developed reusable components using Angular 8 and Material UI, implemented RESTful APIs using Node/Express, & created database schemas using MongoDB.