ZACHARY MCMANUS

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<LANGUAGES AND TECHNOLOGIES />

- **Languages:** JavaScript, Python, Java
- **Libraries/Frameworks:** React.js, Redux, React Native, Angular 8, Ionic, Socket.io
- **Web:** HTML5, CSS3, AJAX, jQuery, XML, JSON, REST APIs
- **Server:** Node, Express, Django, Spring
- **Databases:** MongoDB, MySQL, SQLite
- **Cloud:** AWS (EC2), Docker, Kubernetes, Azure, Firebase
- **Testing:** Mocha, Chai, Jasmine, Karma, Jest, Selenium WebDriver

<EXPERIENCE />

Silicon Valley Polytechnic University | Front-End Software Engineer | San Jose, CA   Dec 2019 - Feb 2020

- 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 | Full-Stack Software Engineer | San Jose, CA   Nov 2018 - Aug 2019

- 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 (utilizing Mocha & Chai) of new features going into production.
- Performed application testing on multiple devices (mobile, tablet, desktop) for streamlined user experience.
- Managed deployment of application using Media Temple and Plesk.

VibrantCare Physical Therapy | Physical Therapy Technician | Livermore, CA   Jan 2016 - May 2018

- Educated patients about their specific conditions and how to create an effective plan to help them improve their strength and range of motion while reducing pain levels, treated patients by helping them perform prescribed exercises, monitor motion & measure mobility, coordinated patient evaluations and follow up appointments among multiple clinicians, communicated effectively between company staff, MD personnel, and insurance companies and exceeded patient expectations by continuously providing excellent customer service and catering to each individual's specific needs.

<FREELANCE WORK />

inHauze Jobs | Full-Software Engineer   Feb 2020 - Present

- Working with a team of developers from Bolivia to build a web app for users to contract hourly jobs to promote economic growth in the South American community. Utilizing the MERN stack to create an intuitive frontend, performant backend architecture, and continuous integration using Jenkins.

<EDUCATION />

Coding Dojo - Certificate in Full-Stack Web Development (Python, Java, JS)   Sept 2018
California State University, Sacramento - BS, Exercise Science   Dec 2015