Michael Sanford

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Skills

React.js, Redux, JavaScript, ES6, Express, HTML5 , CSS3, Sass / SCSS, Python, Flask, Postgres, SQL, Heroku, PHP, Laravel, Git, Docker, Angular, Node.js, APIs, Database Design, Test Driven Development, Frameworks, Agile, Object-Oriented Programming, MongoDB, Jest, Unit & Integration Testing, Jira, DataDog, Sentry, Notion, Miro

Experience

Web Developer / Freelance | sep 2010-current | Self
- Effectively debugged production code using a number of tools including Chrome Inspector and Sentry
- Optimized inefficient Mongo queries resulting in a significant decrease in server crashes
- Found and reported website inefficiencies by creating metrics and analyzing the data in DataDog
- Created documentation for integral functions using Notion and Miro allowing developers to quickly identify and fix bugs
- Upgraded and fixed Babel configuration which was causing errors during various phases of development
- Integrated ESLint site wide and trained several developers on usage resulting in a cleaner looking codebase
- Created product tracking / ordering system with MongoDB and React effectively saving 5-10 hours a week in manual labor
- Designed and implemented an internal estimation tool using MySQL, Google Maps API and React which allows a much quicker response time and a 10% increase in sales
- Setup automated headless browser testing using the Playwright Test framework ensuring core functionality for end users
- Managed content and audited various client facing websites to improve SEO and accessibility by fixing broken links, compressing images, incorporating metadata, validating HTML and creating sitemaps

Web Developer | feb-oct 2015 | Luxe Vacation Homes
- Created custom features on company website using PHP, jQuery and CSS
- Designed and coded internal roadmap / task management tool with NodeJS and AngularJS
- Integrated ticket system and chat company wide via Zendesk API
- Collaborated with development team using Git and Slack

Projects

Property Manager (JavaScript, React, Redux, Express.js, Postgres, CSS, Heroku, Node)   live site | github
Full stack application built to help property owners / landlords manage their investments.
- Designed and built the database and schema from the ground up using DrawSQL and PostgreSQL which is able to provide all the necessary relationships and data in order to run the application
- Utilized reducers and the useDispatch hook to update various pieces of state via Redux

Untapped (JavaScript, ReactJS,/Redux, Express, PostgreSQL, Github, Heroku)   live site| github
Untapped - inspired web application for users to review, share, and save their favorite beers.
- Utilized third party react component providing a user friendly interface for rating beers
- Created reusable search component which finds a value in multiple tables and filters out duplicate results

Education

App Academy | 2021 | New York, NY
Rigorous 1000-hour software engineering course with < %3 acceptance rate. Topics include: TDD, scalability, algorithms, OOP, app security and web development best practices.

University | Spring 2015 | Charles Town, WV
American Public University, pursued a BA of Information Systems Technology