

JD Armada

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SKILLS

TypeScript, JavaScript, React, Redux/Redux Toolkit, Angular, Klaw, Node.js, Express, SQL, PostgreSQL, MongoDB, HTML5, CSS, testing (Jest), Webpack, Tailwind, AWS(S3, EB2, RDS) OAuth 2.0, Authentication, JWT, RESTful API, VSCodeAPI, Git/GitHub, Object-Oriented Programming

EXPERIENCE

AnguLens - Software Engineer

2023 - Current

- Built a developer tool to visualize high-level data flow in Angular projects and to help developers filter through different inputs/outputs, services and dependencies increasing the speed of onboarding new team members and upgrading features.
- Developed responsive and dynamic user interfaces using Angular components, services and modules, improving productivity and efficiency of delivery, as well as user experience.
- Implemented Typescript to write the codebase of Angulens enabling streamlined upgrades, faster onboarding and enhanced maintainability.
- Employed Klaw to create Abstract Syntax Trees and parse user-inputted information, developed custom scripts to analyze and extract specific data from Angular projects.
- Integrated Vis.js to create dynamic and visually appealing data visualizations improving developer efficiency by allowing them a quick way to see and filter out information.

Freelance Web Developer

2021 - 2023

- Developed visually appealing, accessible and responsive websites using HTML, CSS, Tailwind, and JavaScript.
- Instituted payment gateways for e-commerce websites such as PayPal and Stripe, enhanced the chance of successful transactions increasing overall sales and revenue.
- Deployed on Amazon Web Services enabling scalable, secure and cost-efficient hosting and data storage.

OPEN SOURCE PROJECTS

ArmScratcher - Software Engineer - *SCRUM Board Application*

2023

- Enabled efficient task management by leveraging React's component-based architecture to build the front-end.
- Utilized Redux Toolkit for state management. RTK provided a centralized store for state information allowing seamless data management enhancing scalability and overall functionality of the application.
- Implemented OAuth for secure user authentication providing a way for users to log in and persist information using existing credentials from trusted platforms.
- Applied a NoSQL database (MongoDB) for scalability, flexibility and efficiency allowing for dynamic schema design and efficient real-time data processing, while handling concurrent requests

MoneyMuncher - Software Engineer - *Investment/Finance Tracker*

2023

- Developed an investment tracking application that utilizes a RESTful API to provide real-time stock and cryptocurrency information, enabling users to monitor their investments with up-to-date data and insights.
- Implemented Webpack with features like hot module reloading, ES6+ transpilation, as well as minification and uglification to enhance the development process and speed while boosting user experience by enhancing performance.
- Designed a Node.js/Express server with a focus on Node's event-driven, non-blocking architecture to effectively handle various endpoints using the middleware design pattern. Employed routers and controllers for a modularized backend structure.

EDUCATION

University of California, Santa Barbara
Bachelor of Arts

2018

TALKS/PUBLICATIONS

Continuous Integration and Continuous Deployment/ Delivery

2023

- Sponsored by Bractlet Tech Talks: Presented to an audience of 50+ software engineers

INTERESTS

- Fluent in English and Filipino/Tagalog
- Community Outreach and Volunteerism (F.I.E.R.C.E) - Outreach and personal mentorship to students from underserved communities in California to help them reach higher education and college.
- Hiking in the Northern California Redwoods
- Basketball and weightlifting