Laura Ramirez

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TECHNICAL SKILLS

Strong: JavaScript · React · Redux/Redux Toolkit · Git/Github Flow · Node.js · Express · Next.js · TypeScript · HTML · CSS · Material UI · Tailwind · webpack · Babel · Bootstrap · PostgreSQL · MongoDB · RESTful APIs · Prism.js.
Experienced: Vite · Electron · Wordpress · AWS S3 · Oracle Cloud · Jest · Postman · Bootstrap · React D3 · OAuth.

EXPERIENCE

Software Engineer | OSLabs | NextSketch - Next.js Prototyping tool   August 2023 - Present
- Implemented React to create a highly-interactive, reliable app with a modularized codebase and reusable components, while ensuring efficient state management, streamlining data flow, and mitigating asynchronicity issues.
- Reinforced the codebase's robustness by introducing TypeScript to provide stringent type checking for error detection during development, thereby enhancing code organization and fortifying its quality and maintainability.
- Harnessed the utilization of a high-performance(Vite) to expedite project development, minimize bundle sizes, and enhance productivity, leading to accelerated code updates and elevated application performance.
- Developed a cross-platform desktop application utilizing Node.js runtime (Electron) seamlessly integrating web technologies to deliver a responsive and user-friendly interface.
- Orchestrated a dynamic code presentation layer with Prism.js and Prettier, seamlessly rendering diverse code snippets based on user interaction. Enhanced code readability across multiple programming languages and file formats.
- Employed Material UI to establish a unified design with consistent style application, enhancing interactivity by leveraging pre-built components.

Software Engineer, Freelance | MotiFA   October 2022 - February 2023
- Streamlined content management, improved UI/UX, and enhanced themes and plugins. Implemented SEO best practices for increased visibility and search engine ranking.
- Revitalized website themes to align with branding and design specifications through strategic CSS enhancements.
- Ensured an optimal user experience on various screen sizes through responsive design techniques.

OPEN SOURCE CONTRIBUTIONS

Software Engineer | SocialHour - Social Media App
- Utilized AWS S3 for secure user image storage, strategically leveraging AWS's global network to expedite content delivery while prioritizing data durability, high performance, and low-latency optimization for seamless data retrieval.
- Integrated PostgreSQL capitalizing on its ACID compliance to guarantee reliability and consistency of transactions, while seamlessly integrating vertical scalability measures to proactively address potential user surges.
- Employed Jest for comprehensive testing, including unit and integration tests, to guarantee the reliability and stability of the application, especially during feature development.

Software Engineer | What's above me? - Real-time Sky tracker
- Applied MongoDB's schemaless model to seamlessly manage data from multiple RESTful APIs, optimizing efficiency while leveraging horizontal scalability to accommodate high data volumes and evolving workloads.
- Successfully crafted a Node.js/Express server, refining endpoint management through the implementation of the middleware design pattern, routers, and controllers, resulting in improved code clarity and simplified debugging.
- Enhanced JavaScript bundling through Webpack's custom configuration, resulting in a reduction of HTTP request and optimized page load speed, while also streamlining the code iteration process through HMR for real-time updates.

EDUCATION / RELEVANT COURSEWORK

The City College of New York | Biomedical Engineering
Oracle University | Oracle Cloud Infrastructure Certified Foundations Associate

PUBLICATIONS

Co-Author | Medium Article - [Supercharge Prototyping with NextSketch](#)

INTERESTS

Passionate about tech beyond my career, reflected in my favorite ticker to trade - NASDAQ futures. Building strength and discipline through weightlifting, embodying 'Be impeccable with your word' from 'The Fourth Agreements' my mantra.