Maxwell Reed

Software Engineer

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EXPERIENCE

First Resonance, Los Angeles — *Frontend Engineer*

April 2022 - PRESENT

- Planned projects to design and build enterprise-level frontend software using ***React***, ***SCSS*** and ***Tailwind*** serving Fortune 500 companies to enhance their manufacturing processes.
- Conducted customer visits to identify pain points and delivered customized components and workarounds to address their needs.
- Significantly enhanced the performance of multiple frontend views, increasing efficiency by up to 200%, and documented best practices in testing and frontend performance.
- Developed complex queries and mutations using ***Apollo*** and ***URQL*** for state management and API communication; leveraged React hooks to improve the functionality of frontend applications.
- Collaborated with the backend team to identify requirements for feature development.
- Demonstrated a commitment to continuous learning and staying up-to-date with emerging technologies to effectively contribute to the team's success.
- Produced reusable components based on design team **Figma** designs, liaising with the team to ensure optimal solutions were delivered.
- Identified bundler security and performance offenders utilizing ***webpack-bundle-analyzer*** to find unused and out-of-date dependencies resulting in performance increases.
- Leveraged ***TypeScript*** to improve type-checking and code quality for legacy code, enabling efficient reading and comprehension of complex portions of the codebase.
- Advocated for relevant technologies to improve engineering team efficiency and effectiveness.
- Utilized cutting-edge AI tools, including ***Copilot*** and ***GPT-3***, to enhance developer productivity and accelerate feature delivery timelines.

Apple (Wipro) San Francisco — Software Engineer Consultant

August 2021 - June 2022

- Debugged and resolved critical issues in ***React*** and ***Typescript*** preventing application bugs within the ***Ant Design*** component architecture.
- Developed ***Cypress*** and ***Playwright*** testing suites to enable comprehensive integration and end-to-end testing for multiple Apple applications.
- Delivered concise documentation to ensure seamless collaboration within the team.
- Created a highly abstracted library for credentials verification across the Apple ecosystem utilizing ***Webpack,*** and ***customize-cra.***
- Utilized ***Playwright*** to increase the quality of multiple applications in the Apple ecosystem, resulting in increased productivity across teams.
- Implemented custom build scripts utilizing ***Webpack*** in different ***Angular*** and ***React*** environments to instrument code, and ultimately provide code coverage using ***NYC/Istanbul.***

PROJECTS+

HopliteJS

January 2021 - May 2021

- Led a small team to develop an NPM package employing ***LibSodium***, ***argon2***, and ***JWT***s to encrypt and hash sensitive user data. Auth Library dedicated to abstracting IAM/IdAM in **Node.js/Express** utilizing cookies and a host of easy-to-use methods to protect developer assets, routes, and other sensitive information.

Advanced Skills

React/Context/Apollo/URQL/ Hooks
Typescript
GraphQL
Cypress/Playwright
Storybook
Tailwind
SCSS/SASS-BEM
Vite/Vitest/Jest
Node/Express
AI Prompt Engineering (Copilot, ChatGPT)
Git/Github (Version Control)

SKILLS

Linear/Radar (Point Tracking)
React Router
styled components
ReactIntersectionObserver
RESTful APIs
Flatfile
ReactTable
BryntumGantt
Mocha/Chai
PostgreSQL
SemanticUI
NoSQL
HTML5
CSS3
NYC/Istanbul
Webpack
Angular
Material-UI

About me

I am a lifelong learner! I've always enjoyed challenges and utilizing resources available to build new skills. I enjoy tinkering, working on cars, playing and teaching music. Fun facts: I used to have one of the largest rosters of students at a music school and I'm an ex-mechanic!