Maxwell Reed

Software Developer specializing in Frontend

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EXPERIENCE

Creatrify: Los Angeles — *UI/UX Software Engineer* (Angular, TypeScript, Figma, AdobeXD)

November 2023 – Present

- Guiding the design team and CEO to increase marketing potential and customer retention.
- Improved user flow by designing and simplifying existing flows.
- Debugging and troubleshooting mobile responsive design and bug hunting using **CSS** and **TypeScript**.

ComplyAI: Los Angeles — *Software Engineer* (React, TypeScript, GraphQL, Python/Flask)

September 2023 – Present

- Inheriting the frontend codebase (***React, Vite, GraphQL, Apollo, styled-components***), debugging, planning, designing and building features.
- Designing and building a state management solution leveraging **Zustand**, hooks, and **tanstack-query.**
- Starting a new frontend Codebase (***React, Vite, TailwindCSS***) utilizing best practices.
- As the sole Frontend Engineer, I am responsible for crafting, strategizing, and constructing the frontend codebase and user pathways as well as connecting frontend and backend.
- Acting as product and working with the design team to develop application requirements.
- Building backend ***GraphQL*** resolvers in ***TypeScript***.
- Fixing a showstopper bug in ***AWS*** within the first week of joining.
- Designing and implementing authn/authz flows leveraging ***Auth0***, in ***React***, ***Python*** and building out an RBAC system according to OWASP best practices.
- Planning and estimating tasks leveraging *Jira* and assigning tasks to interns while providing guidance.
- Building multiple mobile responsive views and components leveraging **tanstack-table**, **tanstack-query,** and custom **TailwindCSS** styling.
- Implementing authn/authz within React and **react-router v6**.
- Building components using **Stripe** and building a payment platform.
- Conducting knowledge transfers after bug fixes and mentoring engineers on frontend concepts.

First Resonance: Los Angeles — *Frontend Engineer* (React, Tailwind, TypeScript, GraphQL)

April 2022 – March 2023

- Planning, designing and building responsive enterprise-level web applications (***React***, ***Sass*** and ***Tailwind***) serving Fortune 500 companies.
- Significantly improving the performance of multiple website views up to **200%** and enhancing their scalability, documenting best practices in testing and frontend performance.
- Spearheading performance improvements by up to **25%** of ***Apollo*** queries and mutations utilizing **caching**; building custom **React** hooks to improve the functionality of frontend websites allowing faster development and improving developer experience.
- Leveraging ***TypeScript*** to improve type-checking and code quality, saving development time by enabling efficient comprehension of complex portions of the codebase.
- Finishing sprints early and taking additional tickets to foster increased collaboration within the team, but also resulting in enhanced deliverables and overall productivity.
- Collaborating with the backend team to identify requirements for feature development.
- Producing beautiful and intuitive features based on collaborative **Figma** designs, liaising with the team to ensure optimal ***UX/UI*** solutions (e.g., via ***React, Typescript, GraphQL***).
- Identifying bundler security and performance issues utilizing ***webpack-bundle-analyzer*** to find out-of-date dependencies reducing the bundle size by **15%** resulting in performance increases.
- Providing constructive feedback during code reviews using ***Git/Github,*** identifying and addressing any issues before merging changes into the production environment.
- Conducting customer visits to identify pain points and delivering customized features and

ADVANCED SKILLS

ReactJS / NextJS / Redux
HTML 5 / CSS 3
Apollo / urql / GraphQL
JavaScript / TypeScript
React Query
Cypress/Playwright
Storybook
Docker
MaterialUI
TailwindCSS / Sass
Vite / Vitest / Jest
NodeJS / Express / PostgreSQL/MySQL
Git / Github (Version Control)
AI (Copilot, gpt-3.5-Turbo, Stable Diffusion)
Web Accessibility (Wave, a11y, WCAG 2.1, WAI-ARIA)
SEO
Stripe

SKILLS

Databases (Relational / NoSQL)
React Router
Python (Flask)
Auth0
Webpack / Rollup
Material UI (MUI)
Semantic UI
AWS / Cloudflare / Vercel
RESTful API's
styled-components
Flatfile
ReactTable
SQLAlchemy
BryntumGantt
Mocha / Chai
MongoDB
Svelte
Angular
Linear/Radar/Jira (Point Tracking)
Test Driven Development

Education

Chapman University
2014–2016 (**15 units remain**)

workarounds improving their workflows.
- Committing to continuous learning and staying up-to-date with emerging technologies like *Vite*, *Semantic UI*, *TailwindCSS* and more to contribute to the team's success.

Apple: San Francisco — *Software Engineer* (React, Sass, TypeScript, Cypress, Playwright)

August 2021 – June 2022

- Debugging, troubleshooting and resolving critical issues (e.g., *React* and *Typescript*), such as preventing further bugs and unblocking critical features on core Apple applications and tools.
- Building out accessible and mobile-responsive *React* features following *WCAG 2.1* compliance.
- Optimizing *Cypress* and *Playwright* testing suites thus enabling comprehensive integration and end-to-end testing from **0% to 75%+** code coverage for multiple internal applications.
- Creating concise documentation to ensure seamless collaboration within the team.
- Designing a library for credentials verification in the Apple ecosystem using *Webpack* / *customize-cra*.
- Refactoring legacy test suites via *Playwright*, increasing quality of applications in Apple ecosystem.
- Implementing custom build scripts (e.g., *Webpack)* in different *JavaScript* environments (*Angular* and *React*) to instrument code, and ultimately provide code coverage using **IstanbulJS/***nyc.*

Freelance: Los Angeles — *Software Engineer* (ReactJS, TypeScript, TailwindCSS, NextJS)

2020, June 2023 – Present

Building websites for small businesses using *HTML*, *CSS*(*Sass*), and *TypeScript* (*SolidJS*, *React*).
- Planning, co-designing and building a mobile-first website for Colearnable (*NextJS*, *React*, *TypeScript*, *TailwindCSS*) as well as implementing accessibility following **WCAG 2.1** guidelines with **Wave**.
- Mentoring bootcamp graduates and junior engineers on frontend best practices.
- Reviewing, debugging, troubleshooting and performing code reviews leveraging *Git and Github*.
- Interfacing with clients and planning, designing and delivering projects according to their needs.

PROJECTS+

GandalficusAI (React, NextJS, TypeScript, Tailwind)

2023 – Present

- SSO Chat application with AI who responds like Gandalf from "The Lord of the Rings" using *gpt-3.5-turbo* built in *NextJS/React*.
- Leveraging OpenAI *gpt-3.5-turbo* API.
- Utilizing *Vercel* edge functions to stream OpenAI API responses to the screen.
- Leveraging server side rendering and client side components to create a chat application.
- Utilizing *Oauth* for single sign on capabilities to support users and user accounts.
- Using *MongoDB* to track and log user chats.

Personal Website (React, Preact, Tailwind)

2023 – Present

- Planned, designed and built a performant, responsive, and artistic React personal website using *React*, *Preact*, and *TailwindCSS*.
- Using semantic *HTML* tags and alt attributes to enhance SEO and accessibility.
- Utilizing the browser audio API in order to create a custom audio player and audio analyzer waveform using *HTML* canvas to play music I've created myself or with my band!
- Utilizing *TailwindCSS* to perform custom **animations**, and using best practices for code organization.
- Making use of *TailwindCSS* breakpoints in order to support multiple screen sizes.
- Created a custom React hook leveraging the browser intersection observer API to efficiently handle screen resizing the animated waveform analyzer.

HopliteJS (NodeJS, Express, TypeScript, PostgreSQL, bcrypt)

December 2020 – May 2021

- Open source auth library using *LibSodium*, *argon2*, *bcrypt* and *JWT*s to hash sensitive user data.
- Utilizing TypeScript interfaces and types to create customizable stateless authentication methods.
- Creating accurate and customizable authorization methods that verify user privileges based on RBAC philosophy. Researching and implementing IAM best practices from OWASP and Okta.

BA Communications Studies

Western Governors University
2023 – Present (**in progress**)
BS Software Engineering
Codesmith
May 2021 – Graduated
Software Engineer Immersive

About Me

Lifelong learner! Always enjoys technical challenges and utilizing any resources available to level up new skills. Enjoys tinkering, working on cars, playing and teaching music.