Taylor R. Flagg

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Professional software developer with many years of experience using TypeScript and JavaScript to build web applications.
Skills: TypeScript / JavaScript, NodeJS/Express, REST, React, React Native, Prisma, Hasura, PostgreSQL, GraphQL, Docker, HTML / CSS, TailwindCSS, Styled Components, ChakraUI, React Query, Redux, Next.js, Google Maps, OAuth 2.0, Apollo Client, Firebase, Google Cloud Platform (GCP), Git, XCode, Android Studio, Unit Testing, Jest, Agile

Professional Experience

Fennel Stalk / Wrdie   *June 2024 - Present*
Creator & Founder   *https://wrdie.com   https://fennel-stalk.com*
I am the sole developer and creator of Fennel Stalk, an sdk and api that allows developers to add interactive editors to their applications, and Wrdie, a web platform that uses Fennel Stalk to enable users to create their own choose-your-own adventure style interactive stories. I made the beta version (wrdie.com) with TypeScript, NodeJS/Express, MongoDB, React, Mongoose, Docker, Jest, and GraphQL, and built/deployed via GCP. The new version I am working on combines TypeScript with Hasura, NodeJS/Express, PostgreSQL, GCP Serverless Functions, React, and REST.
Technologies: TypeScript Node.js/Express, REST, Hasura, GraphQL, PostgreSQL, React, Jest, GCP, Docker

FutureAI   *October 2023 - June 2024*
Technical Lead
As the sole developer, I designed, developed, and deployed a complete Saas solution for AI-based customer recommendations. Solution included a public SDK built from TypeScript, React-based iframe modals, NodeJS/Express back-end server, public REST API, Redis-backed pubsub to support webhooks and websockets, serverless functions to interact with 3rd-party data services, OAuth integration with Plaid and Google, custom authentication with Auth0, session management. Also worked with AI consultant to plan the ML/AI data pipeline that powered our recommendation engine.
Technologies: TypeScript, GCP React, Node.js/Express, Next.js, Prisma, PostgreSQL, OAuth 2.0, Auth0

Independent Contractor   *January 2019 - October 2023*

Arlo Hotels - *Senior React Native App Developer*
Played a key role in a compact, 2-member software development team that built a loyalty app and administration dashboard for a high-end hotel chain. Oversaw the app development from start to finish including animations, back-end communication, user authentication, and data management.
Technologies: Typescript, React Native, React Query, REST, Ruby on Rails, PostgreSQL, React admin

FastAF - *Senior React Native App Developer*
Member of a small team that developed a popular Rapid Delivery e-commerce app. Work included programming new screens from Figma designs, fixing bugs, conversion to TypeScript, and refactoring existing code among other things..
Technologies: Typescript, React Native, JavaScript, Styled Components, React Query, Google Maps,

PatientPing - *Front-end React Developer*
Project work to merge multiple React-based healthcare applications together. Required intimate knowledge of Webpack build system and reconfiguring within the company's existing deployment structure.
Technologies: React, Webpack, Jest, JavaScript, HTML. CSS, Redux, React Router

Zagster - *Senior React Native App Developer*
Developed a new fleet-management app and provided ongoing support for existing React Native apps. In charge of all aspects of app development, release, and distribution.
Technologies: React Native, GraphQL, Google Maps, Bluetooth, Redux, XCode, Android Studio

Previous full-time employment

Zagster - *Senior JavaScript Engineer* - *React Native / JavaScript / HTML / CSS / XCode / Android Studio - 2016 - 2018*
Tapjoy - *Senior Front-end Engineer* - *React / JavaScript / HTML / CSS / Ruby on Rails - 2013-2016*
Scout Exchange - *Front-end Developer* - *JavaScript / HTML / CSS - 2013 - 2014*
InterSystems - *Web Developer* - *Java / JavaScript / HTML / CSS / Caché - 2007 - 2013*

Education

University of Florida - *Bachelor of Science (cum laud)* - *Computer Science, May 2005*