



Taylor R. Flagg

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Accomplished developer with a proven track record in building scalable, innovative web applications. Expertise lies in modern technologies such as TypeScript, React, React Native, Google Cloud, and Docker. Adept at front-end and full-stack development, API integrations, and collaborative problem-solving within agile environments.

Languages: TypeScript, JavaScript, HTML/CSS,

Frameworks and Libraries: React, React Native, Node.js, Express, TailwindCSS, Hasura, SQL

Tools: Docker, Google Cloud Platform, Firebase, Git, XCode, Android Studio, Vim

Databases: PostgreSQL, Prisma, Firebase, MongoDB

Additional Expertise: Agile Development, Unit Testing, REST, GraphQL, Serverless Functions, OAuth

Professional Experience

FutureAI

October 2023 - June 2024

Technical Lead / Senior Front-end Developer

- Solo developer on a comprehensive SaaS platform for AI-driven customer recommendations, including a robust JavaScript SDK, modular React front-end, Node.js REST API, serverless functions, and real-time webhooks.
- Implemented multiple 3rd party integrations including Plaid, Auth0, and Google OAuth 2.0.
- Migrated server deployment from Digital Ocean into Google Cloud environment.
- Architected and implemented code build and deployment infrastructure on Google Cloud.
- Built and managed Next.JS public-facing marketing and demo sites.
- Optimized data flow and API performance to handle increased traffic with minimal latency.
- Designed a Redis-backed pubsub architecture to support dynamic webhooks and websockets.
- Collaborated closely with AI experts to ensure seamless integration of machine learning algorithms.
- **Technologies:** TypeScript, Node.js, Next.JS, React, GCP, PostgreSQL, Prisma, OAuth, Redis, Serverless Functions

Arlo Hotels

July 2022 - July 2023

Senior React Native App Developer (Contractor)

- Part of a 2-man team that architected and built a loyalty app for a high-end hotel chain, focusing on user experience, interactive animations, and secure authentication workflows.
- Application allows users to sign up, view and redeem rewards, and make reservations.
- Developed a streamlined React and MaterialUI based admin dashboard to support backend operations and user data management allowing company management to review and control financial stability of offerings.
- Managed all application builds and uploads in the Apple app store.
- Collaborated with management and design stakeholders to translate business requirements into technical deliverables, ensuring timely deployment.
- **Technologies:** TypeScript, React Native, REST, PostgreSQL, MaterialUI, Apple XCode

FastAF

June 2020 - July 2022

React Native Developer (Contractor)

- Contributed to the success of a popular rapid-delivery e-commerce app, building new features, fixing bugs, implementing designs and animations, and ensuring seamless performance.
- Application presented thousands of products for sale in hundreds of categories managed via elasticsearch.
- New features developed included real-time delivery tracking, tiered loyalty tracking, buy one get one free, account management, and instant reorders.
- Led efforts to refactor codebase for improved maintainability and scalability.
- Conducted rigorous testing to ensure consistent performance across devices.
- **Technologies:** React Native, TypeScript, Google Maps, Shopify, Elasticsearch

PatientPing

November 2019 - April 2020

Front-end React Developer (Contractor)

- Ran company-wide project that merged multiple React-based healthcare applications into a unified platform.
- Reconfigured the company's Webpack build system to align with the existing deployment structures and optimized build performance, greatly increasing programmer, qa, and deployment efficiency.
- Collaborated with cross-functional teams to troubleshoot integration issues and deliver a scalable solution.
- **Technologies:** React, Webpack, Jest, JavaScript, HTML, CSS, Redux, React Router.

Zagster

May 2017 - August 2018

Senior React-Native Developer / Senior React-Native Developer (Contractor)

- Lead app developer of multiple React Native based fleet-management apps, offering real-time vehicle tracking, trip management, billing, remote scooter lock/unlock, and local bike lock/unlock via bluetooth.
- Public facing app featured hundreds of screens to manage account sign up, finding bikes on a map, trip management, bike locking/unlocking, billing, and account support.
- Private app empowered fleet managers to view current charge status of scooters, lock/unlock scooters, and build redistribution schemes.
- Created mapping integration to efficiently provide real-time view of thousands of bike and public rack locations.
- Managed public-facing builds and uploads in Apple and Google app stores and enterprise app in App Center..
- **Technologies:** React Native, JavaScript, GraphQL, Google Maps, Node.js, PostGRES, XCode, Android Studio, Microsoft App Center

Tapjoy

December 2014 - October 2016

Front-end Developer

- Sole front-end developer on an ad-flighting platform that used React and HTML5 to generate custom interactive video in-app advertisements, considerably increasing the company's advertisement offerings.
- Integrated company's customer-facing dashboard functionality with a newly acquired partner's dashboard, providing intuitive data visualization tools to monitor ad campaign performance.
- Worked alongside DevOps to build and maintain an automated JavaScript build pipeline, streamlining the deployment process and greatly reducing errors.
- Improved ad-flighting dashboard controls, reducing time and effort needed to set up new advertising campaigns.
- **Technologies:** JavaScript, React, Backbone.js, Grunt.js, Bootstrap, HTML, CSS, CoffeeScript, SAAS, Ruby on Rails, Highcharts, HTML5 audio and video

Scout Exchange

April 2013 - August 2014

Front-end Engineer

- Responsible for the entire front-end codebase of an innovative recruitment platform that used machine learning to match recruiters and job listings.
- Built new screens, fixed bugs, and updated existing screens. Managed integration with multiple platform providers to ensure a seamless experience for users of our and our partner's applications.
- Built an innovative front-end build system that consolidated and minimized front-end code, notably reducing our application's footprint and response time.
- Also involved in design and programming on the back-end. Took turns in production support and assisted with system configuration.
- **Technologies:** JavaScript, jQuery, Bootstrap, Backbone.js, HTML, CSS, SAAS, Python, Flask, MongoDB

InterSystems

February 2007 - February 2013

Web Developer & Technical Trainer

- Managed the design, development, and maintenance of various web applications including an internal training and survey tracking application developed an online video portal.
- Taught courses in object-oriented programming, web programming, and system management both locally and at customer sites globally.
- **Technologies:** InterSystems Zen Framework, JavaScript, jQuery, Caché Database, System Administration

Education

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