

Michael Bryce

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Work Experience

TIFIN AMP, Lead Frontend Engineer

Feb. 2023-Present

- Owned all frontend product development for TIFIN AMP, interfacing with clients, product stakeholders, and designers to implement, test, and deploy all new product features
- Rebuilt organization component library using Tailwind, Shadcn and Storybook, decreasing the product bundle sizes by 20% while improving developer experience
- Led deployment of a new managed package in Salesforce using APEX and React to deliver a custom experience within client CRMs

TIFIN, Software Engineer

Jan. 2022-Feb. 2023

- Led frontend development of company MVP, a web application that empowered clients to optimize their sales and marketing initiatives by using AI to analyze engagement and opportunity size of prospects
- Improved developer tooling by migrating codebase to Typescript, autogenerating GraphQL types, and integrating end-to-end testing into deployment pipelines

PatchRx, Director of Engineering

Aug. 2021-Jan 2022

- Architected and implemented backend infrastructure redesign, integrating Postgres and GraphQL, which reduced query response time by 30% and decreased cloud administration costs by 20%
- Led product development across web and mobile platforms, grew team to 8 engineers and orchestrated an agile-style development process with two-week sprints

PatchRx, Project Manager & Software Architect

Aug. 2020-Aug.2021

- Spearheaded the development of PatchRx Web application MVP using React and Next.js, resulting in a successful pilot launch to three pharmacies
- Improved CI/CD deployment pipelines for both web and mobile using Fastlane to automate our mobile deployments to both app stores and using Cypress and Detox to automate our end-to-end testing

PatchRx, Full stack engineer

Aug. 2019-Aug.2020

- Engineered consumer-facing mobile app with features such as BLE communication and custom push notifications using React Native and deployed MVP to both Android and iOS app stores
- Designed and deployed RESTful API backend using DynamoDB, API Gateway, and AWS Lambda

Projects

Pixel Fortune, Fortune Telling Game

Oct. 2024

- Built a text-based fortune telling app using React, Typescript, tRPC, Next.js, and deployed using Vercel
- Created all UI, art, and animations using Figma, Midjourney, Dall-e, and Framer Motion

WMBryce.dev, Personal website

Aug. 2021

- Designed, and built personal website using React & Next.js, and deployed using Cloudflare & Fleek

Education

Trinity University, San Antonio, Texas

Aug. 2014-May 2019

- B. S. in Engineering Science with a minor in Mathematics

Skills

Languages:

- TypeScript, JavaScript, Python, Swift and Scala, APEX

Frameworks & Tools:

- AWS, DynamoDB, Lambda, React, React Native, Next.js, Serverless, Fastlane, Jest, Cypress, GraphQL, Redux, Redux-Saga, PostgreSQL, Node, Figma, Vite, Storybook

Certifications

- AWS Solutions Architect, Engineer in training (Texas Board of Professional Engineers and Land Surveyors)