

Michael Archer

Software Engineer

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EXPERIENCE

Alaska Airlines, Remote — *Software Engineer*

October 2022 - Present

- Developed modern micro front-end applications using Svelte to deliver highly performant and responsive user interfaces
- Implemented a robust design system using Storybook to ensure consistency across all applications
- Utilized Azure Functions to create a backend multiple REST API services

Abound, Remote — *Platform Engineer*

October 2020 - June 2022

- Migrated code infrastructure to AWS SAM to fully integrate serverless architecture
- Introduced TypeScript type enforcement into the core API product
- Implemented a large sweeping testing suite by creating end-to-end, unit, and integration tests

Microsoft, Remote — *Software Engineer*

February 2020 - September 2020

- Redesigned primary Xbox application in React Native while maintaining accessibility, and localization standards
- Developed shared reusable packages in TypeScript for internal, and external development teams to consume

Boeing, Seattle WA — *Full Stack Developer*

January 2019 - February 2020

- Designed and implemented a system for managing a robust library of analytics, and data visualizations
- Utilized Test Driven Development with Enzyme and Mocha to create powerful, high quality user interfaces

MealViewer, Augusta GA — *Junior Engineer*

September 2015 - December 2018

- Collaborated on a complete rewrite, and redesign on MealViewer's primary parent/student menu app in both React and React Native
- Created release pipelines, and deployment processes for projects using Azure Dev Ops

OPEN SOURCE CONTRIBUTIONS

Google Clasp — *TypeScript*

<https://github.com/google/clasp>

- Located and fixed a bug preventing Windows users from logging out
- Fixed numerous tests not working on Windows devices
- Discovered and found issues in documentation for running the project locally

PERSONAL PROJECTS

TeamWiki — *Javascript / React*

<https://github.com/mikearche/team-wiki>

- A completely data driven approach to creating wiki pages
- Allows users to easily create robust wiki pages without any knowledge of HTML, CSS, or JavaScript
- Implemented theming to enable users to follow their desired color scheme

LANGUAGES

- TypeScript
- JavaScript
- C#
- Java

FRAMEWORKS

- React
- React Native
- Svelte
- .NET

EDUCATION

Augusta University, Augusta GA — *B.S. in Computer Science*

August 2012 - April 2017