

Brian Fitzgerald

Curriculum Vitae

PERSONAL DETAILS

Birth April 27, 1997
Address 36 North Cedar Lake Dr East Apt 103
Phone (618) 616-3533
Mail brianfitzgerald242@gmail.com

WORK EXPERIENCE

Full-Stack Software Engineer 2016-present
CARFAX inc., Full-time

- Assisted in the rewrite of myCARFAX's core web applications from Angular to React/Redux
- Oversaw the development of the CARFAX Service Shops application, which provides shops with a toolset for managing customer-facing data for their shop and viewing analytics
- Developed and implemented a package-based frontend architecture for myCARFAX's core products over the span of several project timelines
- Worked with the User Experience team to enforce a consistent look and feel across myCARFAX products, by implementing a unified visual components library
- Designed an architecture for one of CARFAX's first user-facing products running on Amazon Web Services
- Assisted in developing and maintaining the web application used for Hack Carfax, the internal company hackathon
- Advocate for functional programming, user experience consistency, and user-focused development
- Designed and implemented a standard for sharing common functionality across products and teams (Blocks)
- Developed and executed upon a strategy for migrating CARFAX's on-premises consumer services to an AWS-managed, Kubernetes-based infrastructure
- Wrote a deployment system for this infrastructure with Jenkins pipelines and Golang tooling
- Migrated the myCARFAX team's front-end codebases from ES6 to TypeScript
- Established a unified TypeScript typings system for all of CARFAX Consumer's domain objects, and implemented it across several development teams

Developer Oct 2015 - Jun 2016
Quark Works

- Worked on a variety of native mobile applications, including ZephyrCharts, an aviation mapping application for pilots, and the companion app for Columbia's local Roots n Blues music festival. This involved developing iOS and Android native versions of each application.
- Developed a cloud architecture for managing content for the Roots n Blues project.

Software Developer Feb 2014 - Sep 2015
WireCloud, LLC

- Developed the frontend and backend systems for Gofer, a local food delivery service. Built a system for managing a stream of orders, and assigning them to drivers, as well as a customer-facing order tracking system. Also developed a companion mobile web application for drivers.
- Developed an automated cryptocurrency analytics and trading platform.

SKILLS

<i>Frontend</i>	TypeScript
	React / React Native
	Redux
	MobX
<i>Backend</i>	AWS / Terraform
	Golang
	MobX
<i>DevOps</i>	Docker
	Kubernetes
	Golang
	Jenkins
<i>Mobile</i>	Swift
	Core Data
	Android SDK
	Kotlin

REFERENCES

Available upon request