

Taylor Burgess

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github.com/tayloraburgess

Work

Managed by Q

Software Engineer, October 2018 - March 2020

Worked as an infrastructure team individual contributor on internal projects related to privacy, security, & productivity, including:

- A library for subscribing & publishing to asynchronous message queues, allowing engineers to eliminate duplicated, untested code & increase infrastructure observability
- A system to create support tickets from internal product & maintenance requests, streamlining communication between product/engineering/design/data & the rest of the organization
- Improvements to the obfuscation of sensitive data in & security of production containers, reducing the possibility of credential theft
- A service to generate password-less login URLs, allowing users to authenticate from alternative locations like Slack
- A port of frontends to TypeScript, reducing bug surface area & speeding the development of features

Mostly: Python3, TypeScript, PostgreSQL, Django, Docker, AWS, Jenkins, CircleCI, Convex

Some: JavaScript, Node.js, React.js, GraphQL, Redux, Webpack

Clarifai

Tech Lead, July 2018 - September 2018

Senior Frontend Engineer, October 2017 - September 2018

Frontend Engineer, April 2017 - October 2017

Led or contributed to frontend feature projects, including:

- A from-scratch rewrite of the developer account dashboard to use React.js, Redux, & Webpack; reduce JS bundle size; & launch new developer API keys & billing analytics features
- A from-scratch rewrite of the AI model demo application to add SVG data visualizations for video predictions and use a less error-prone Redux-only store structure
- A Jenkins-based CI/CD system for frontend applications, using compose-able shell scripts & standardized Docker/Node.js environments
- A monorepo, powered by Lerna & Yarn, for all frontend code, with application generation from archetypes, dependency sharing, & internal JS package distribution
- A custom Node.js & TypeScript-powered CMS, with React.js-based content templates, a client-side routing system for faster pageloads, & simplified infrastructure management via Kubernetes

Mostly: JavaScript, TypeScript, Bash, Node.js, React.js, Redux, Immutable.js, Webpack, Docker, AWS, Jenkins

Some: Go, Python2, PostgreSQL, Backbone.js, Gulp, Kubernetes

Oxford-Downing LLC Encryption

Developer, 2016 - 2017

Encrypted PDF file-sharing app prototype. I refactored a frontend runtime-compiling Python interpreter system for performance & more efficient debugging. I also implemented a custom UI, built a permission layer system, & oversaw a deployment strategy.

Carbon6Rings

Developer, 2016 - 2017

Small-business ring vendor, hosted on Shopify. I provided design guidance, optimized script & content delivery, implemented technical improvements to improve conversion rates based on user trends, & wrote custom UI components.

Education

Recurse Center

Participant, 2016

12-week educational retreat for programmers from around the world. I worked on a number of projects that would help me grow as a programmer, mostly while pairing, across multiple languages & platforms. A few examples:

- A browser-based modular synthesizer built on the Web Audio API
- A pseudorandom generator written in Haskell, using the Twitter API as an entropy source
- A full-stack internal web tool for the Recurse Center, built with Flask, PostgreSQL, & React.js

Samford University

Undergrad Student, 2010 - 2014

B.A. English (Creative Writing); Summa Cum Laude