Cody Stair

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Summary

I'm a Software Engineer based in Knoxville, TN. I'm the co-creator of Stagehand ↗, a drop-in framework that automates the deployment and management of review apps for modern frontend applications. I have multiple years of experience in both the JavaScript and Ruby ecosystems, as well as Amazon Web Services (AWS) and Google Cloud Platform (GCP).

Skills

Backend	**Frontend**	**Tooling**	**Cloud**
Ruby, Rails, Sinatra, Node.js, PostgreSQL, Express, RESTful APIs	*HTML/CSS, JavaScript, jQuery, React, Next, GraphQL, TypeScript*	*Git/GitHub, GitHub Actions, Linux, Jira, Codefresh*	*AWS, Digital Ocean, Heroku, Google Cloud Platform*

Professional Experience

2021 – present

Full Stack Engineer, *MotoRefi*
- Developed and maintained our company's internal applications
- Migrated our entire marketing site from using GraphCMS to Contentful
- Developed design documents and proof of concepts for various engineering initiatives
- Designed and implemented a large data migration from a Google Firestore collection to a PostgreSQL database
- Explored and implemented a solution to a header injection security vulnerbility in our system
- Helped decouple the frontend of a large Rails app and rebuilt it in React/Next
- Collaborated daily with the engineering team, product team, and other departments

2020 – 2021

Co-Creator, Software Engineer, *Stagehand* ↗
- Co-created Stagehand, an open-source drop-in solution that automates review apps for frontend applications
- Designed cloud infrastructure on AWS to host frontend review apps
- Prototyped and built GitHub integration to automatically deploy and tear down review apps using GitHub Actions
- Automated provisioning of AWS infrastructure using AWS CloudFormation
- Implemented client-side functionality for review apps to provide dashboard and handle routing using HTML iframe elements and service workers
- Built a robust easy-to-use CLI that abstracts away configuration and deployment logic, available as an NPM package
- Collaborated daily with a 100% remote team of engineers
- Co-authored Stagehand's case study: https://stagehand-framework.github.io ↗

2017 – 2020

Software Engineer, *Self-Employed*
- Developed mostly open-source software using Rails, Sinatra, Ruby, Node.js, Express, PostgreSQL, React/Redux, vanilla JavaScript, HTML, and CSS

Education

2011 – 2013

Liberty University
Bachelor of Arts - BA, Religion/Religious Studies