

# Cody Stair

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## Summary

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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

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### Backend

Ruby, Rails, Sinatra,  
Node.js, PostgreSQL,  
Express, RESTful APIs

### Frontend

HTML/CSS, JavaScript,  
jQuery, React, Next,  
GraphQL, TypeScript

### Tooling

Git/GitHub, GitHub  
Actions, Linux, Jira,  
Codefresh

### Cloud

AWS, Digital Ocean,  
Heroku, Google Cloud  
Platform

## Professional Experience

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2021 – present

### Full Stack Engineer, Caribou (formerly 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
- Built a data pipeline to migrate customer info from our Rails monolith to Salesforce
- Quickly learned new technologies and tools in order to rapidly meet business needs
- 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 in remote environment

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

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2011 – 2013

### Liberty University

Bachelor of Arts - BA, Religion/Religious Studies