

Austin Miller

Software Engineer

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Profile

I am a software engineer based in Denver with multiple years of experience with Ruby, JavaScript, and a variety of frameworks, including Rails and React. I also have a working knowledge of Go, and experience with Docker and AWS. I'm passionate about writing clean, efficient code for scalable distributed systems, writing reusable and efficient APIs, and approaching new challenges.

Professional Experience

Software Engineer, CardFree

10/2021 – present | Denver, United States

CardFree is an online ordering platform that offers customer insights, merchant-branded app development, payment gateway integrations, and more.

- Implement and maintain the backend Rails API (models, migrations, controllers, services, serializers, channels, specs, configurations)
- Regularly ship code to implement new features and scale the API
- Regularly improve existing code (WebSockets, background workers, efficient image uploading)

Co-Creator, Software Engineer, Fjord Framework

05/2021 – 10/2021

Fjord is an open-source framework for streaming Kafka data to internet-facing users. The Fjord CLI allows you to deploy and tear down more than 40 AWS resources that comprise a robust, highly available, horizontally scalable infrastructure to securely stream Kafka data to desired end users.

- Contributed to solution architecture, initial workflow diagrams, and technical case study documenting design decisions
- Assembled a multi-broker, distributed Kafka cluster with security (firewall, SASL-PLAIN authentication) to use to test with Fjord
- Built Kafka consumer groups using the KafkaJS framework
- Containerized SSE web server and Kafka consumer groups
- Implemented AWS ECS Clusters using Fargate for the SSE servers and Kafka consumer groups, Elasticache for Redis as a publish-subscribe mechanism between the Kafka consumer groups and the SSE servers
- Automated the deployment of 40+ AWS resources using the AWS CDK

Full Stack Web Developer, Self-Employed

03/2020 – 05/2021

- Rello: A Trello-inspired Kanban board (React/Redux, Express, MongoDB)
- AskBox: A RequestBin clone for receiving and debugging webhooks (Node JS, Express, Redis, Ngrok)
- Routes: A Dockerized SPA showing filterable airline routes with an SVG map (React, Docker)
- Contacts: A web app for managing contacts with an async search UI (Node JS, Express, Handlebars)
- ruby_blogger: A developer tool to track statistics about exceptions thrown by .rb files (Ruby)

Education

Launch School

03/2020 – 05/2021

A full stack software engineering curriculum emphasizing mastery of core fundamentals and problem-solving

BA, Linguistics, University of Colorado at Boulder

08/2010 – 05/2014 | Boulder

Skills

Languages

Ruby, JavaScript, Go, SQL, HTML, CSS

Technologies

Docker, PostgreSQL, NoSQL (MongoDB, Redis), background workers (Sidekiq), image uploading, Git/GitHub, HTTP, REST APIs, realtime APIs, EDA, webhooks, Kafka, Gatling, JMeter, Linux

Frameworks

Rails, Express, React/Redux, Sinatra, jQuery, Handlebars, KafkaJS

AWS Cloud

S3, EC2, ECS, Fargate, Cloud Development Kit, Elasticache, Auto-Scaling Groups, CloudWatch, ALB, VPC