Austin Miller
Software engineer

Profile

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

Experience

Co-Creator, Software Engineer, Fjord Framework / *May 2021 – present*

https://github.com/fjord-framework

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 horizontally scalable infrastructure to securely stream Kafka data to desired end users.

- Contributed to solution architecture and initial workflow diagrams
- Built a multi-broker, distributed Kafka cluster with some minimal security (firewall, SASL-PLAIN authentication) to use to test with Fjord
- Built KafkaJS consumer groups using the KafkaJS framework
- Containerized SSE web server and Kafka consumer groups
- Implemented AWS ECS Clusters for the SSE servers and Kafka consumer groups using Fargate launch type, Elasticache for Redis as a pubsub mechanism between the Kafka consumer groups and the SSE servers
- Automated the deployment of 40+ AWS resources using the AWS CDK
- Implemented unit tests and contributed to load testing the SSE server using Gatling
- Co-authored a comprehensive technical case study documenting design decisions

Co-Creator, Software Engineer, ruby_blogger / *November 2020 – March 2021*

https://github.com/aumi9292/blogger, https://rubygems.org/gems/ruby_blogger

ruby_blogger is a developer tool designed for beginner developers that can be used to track exceptions over time for Ruby projects.

- Led project scoping and ideation
- Refactored functional-style code to be fully object oriented
- Obtained 100% unit test coverage for all modules

SPOT Moderator *at Launch School / August 2020 – March 2021*

- Co-organized an online Slack community of peer study session leads and students
- Facilitated community growth from 100 students to 500+ students
- Led regular technical sessions on a variety of topics (e.g., Ruby, JavaScript, SQL)

Research Analyst *at Denver Museum of Nature and Science / August 2018 – March 2020*

- Scoped, designed, and managed studies for programs and exhibits
- Analyzed, visualized, and reported results to museum stakeholders
- Advised internal stakeholders on strategic initiative policies and projects

Education

Launch School / *March 2020 – May 2021*

- 18-month full stack software engineering curriculum emphasizing mastery of core fundamentals and problem-solving – https://launchschool.com/employers

University of Colorado at Boulder / *August 2010 – May 2014*

- BA, double major in linguistics and communication, minor in French

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📍 Denver, Colorado

⦿ https://github.com/aumi9292

in linkedin.com/in/aumi9292

G aumi.dev

Skills

Languages

JavaScript, Ruby, Go, SQL, HTML, CSS

Frameworks

Express, React/Redux, Sinatra, jQuery, Handlebars, kafkajs

Technologies

Docker, Docker-Compose, PostgreSQL, MongoDB, Redis, Git/GitHub, HTTP, REST APIs, realtime APIs, EDA, webhooks, Kafka, Gatling, Linux

AWS Cloud

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