

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, React, 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 robust, highly available, horizontally scalable infrastructure to securely stream Kafka data to desired end users.

- Contributed to solution architecture, initial workflow diagrams, and design patterns
- 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 for the SSE servers and Kafka consumer groups using Fargate launch type, 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
- Implemented unit tests with Jest, contributed to load testing the SSE server using Gatling
- Collaborated daily with a small team of fully remote engineers
- 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.

- Initiated the scoping and development for the project
- Overhauled code base from functional to OOP
- Obtained 100% unit test coverage for all modules

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

Qualitative Analyst and Report Writer at *20/20 Research* / August 2016 – August 2018

- Oversaw analysis and synthesis of qualitative data
- Created and presented deliverable reports to external clients

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](https://www.linkedin.com/in/aumi9292)

🌐 www.aumi.dev

Skills

Languages

JavaScript, Ruby, Go,
SQL, HTML, CSS

Frameworks

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

Technologies

Docker, PostgreSQL,
NoSQL (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