

# 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://fjord-framework.github.io/>

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

**Full-stack Web Developer** *self-employed* / March 2020 – May 2021

- Rello: Trello-inspired Kanban board (React/Redux, Express, MongoDB)
- AskBox: RequestBin clone for receiving and debugging webhooks (Webhooks, Node JS, Redis, Ngrok)
- TaDa: A todo management app (Ruby/Sinatra, PostgreSQL and Handlebars.js)
- ruby\_blogger: Ruby exception tracker developer tool (Ruby, logging, developer tool)

**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](http://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