

## 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](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

**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, 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