


Aryan Binazir

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Profile

I'm a Software Engineer based in Raleigh-Durham, NC, with multiple years of experience in Go, JavaScript, Ruby, React, SQL, MongoDB, Docker, and cloud platforms such as AWS, Digital Ocean, and Heroku. Recently, I designed and built Triage, an open-source Kafka consumer proxy that solves head-of-line blocking.

Technical Projects

Co-Creator, Software Engineer (team-triage.github.io), Triage  2022 – present

Triage is an open-source consumer proxy for Apache Kafka that solves head-of-line blocking caused by poison pill messages and non-uniform consumer latency.

- Designed and built Triage using Go, gRPC, and Amazon Web Services (AWS) Fargate and AWS ECS (Elastic Container Service)
- Led development of Triage core components, leveraging Go, Go Channels & Goroutines
- Developed Triage thin client library in Go and a gRPC service using protocol buffers to enable multiple downstream consumer applications to connect to the Triage service
- Containerized Triage service with Docker, streamlining the process of deployment to an AWS ECS cluster
- Automated infrastructure deployment strategy using AWS Cloud Development Kit (CDK)
- Built CLI tool, written in JavaScript and available as an npm package, to simplify configuration, deployment, and teardown of Triage in the cloud
- Implemented application logic and design components allowing for the storage of poison pill messages in a dead-letter store using AWS DynamoDB
- Collaborated with a remote team of four engineers across two timezones
- Authored technical case study showcasing Triage, available at team-triage.github.io/case-study 

Capstone Program & Mastery-Based Learning, Launch School 2021 – 2022

Developed strong fundamentals in software engineering using mastery-based learning while at Launch School. During this process, implemented technologies and built projects, including:

- Request-Djinn - A Request Bin like HTTP webhook inspector built using Node.js, Express.js, React.js, MongoDB, PostgreSQL, Digital Ocean Droplet, Nginx, PM2 & Tailwind CSS
- Contacts Manager - a contact managing application built with Node.js, Express.js & PostgreSQL & JavaScript
- To-Do List - a todo tracker built with Ruby, Sinatra, PostgreSQL, JavaScript & ERB
- Book Viewer App - a simple book viewing application built using Ruby, Sinatra, PostgreSQL, JavaScript & ERB

Professional Experience

Start-Up Experience & Real Estate Investments 2011 – 2021

- Performed investment due diligence supporting opportunities for a start-up private merchant bank connecting investors with energy and other asset opportunities in emerging markets in Africa
- Invested in, sold, and rented investment properties in the United States and South Africa

Education

Software Engineering, Launch School 2022

Master of Business Administration, Gordon Institute of Business Science 2012

BSc - Computer Science, University of the Witwatersrand 2009

Skills

Go Programming Language (Channels, Goroutines, Concurrency, Modules),
JavaScript (Node.js, Express.js, React.js, Handlebars.js, Jest, NPM), **Databases** (PostgreSQL, MongoDB, Redis),
Cloud (AWS EC2, AWS ECR, AWS Fargate, AWS CDK, AWS S3, AWS DynamoDB, Digital Ocean Droplet, Heroku),
Apache Kafka (Confluent Kafka Go Client), **Ruby** (Sinatra, Gems, Puma, ERB, Bundler), **gRPC** (Protocol Buffers), **HTTP**,
Docker, **Linux**, **HTML/CSS**, **Git/Github**, **Ngrok**, **Nginx**, **Event-Driven Architectures**, **Microservices**