Aryan Binazir
Software Engineer

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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, including Go Channels & Goroutines
- Enabled multiple downstream consumer applications to connect to Triage by developing Triage thin client library in Go and a gRPC 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 time zones
- Authored technical case study showcasing Triage, available at team-triage.github.io/case-study 🔗

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

Attended a mastery-based educational program focusing on software engineering with an emphasis on a deep understanding of fundamentals. Developed various open-source applications:

- Request-Djinn - A RequestBin-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

Skills

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

Education

Software Engineering, *Launch School*   2022

Master of Business Administration, *Gordon Institute of Bus. Science*   2012

BSc - Computer Science, *University of the Witwatersrand*   2009

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