

# Aryan Binazir

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## Profile

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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

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**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 time zones
- Authored technical case study showcasing Triage, available at [team-triage.github.io/case-study](https://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

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**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

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**Software Engineering, Launch School** 2022

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

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

## Skills

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**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**