Aryan Binazir

Chapel Hill, North Carolina | abinazir@gmail.com | aryanbinazir.dev

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Summary

I'm a software engineer in Chapel Hill, NC, with multiple years of experience in technologies, including Go Programming Language, JavaScript, Ruby, React, SQL, MongoDB, and cloud platforms such as AWS, Digital Ocean, and Heroku. I designed and created Triage, a Kafka consumer proxy that solves head-of-line blocking.

Experience & 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, prototyped, and built Triage using Go, gRPC, and AWS (Fargate, ECS, DynamoDB)
- Developed Triage thin client library in Go to enable multiple downstream consumer applications to connect to the Triage service
- Leveraged network communication protocols (gRPC, Protocol Buffers) to enable communication between Triage and downstream consumers applications
- Containerized Triage, streamlining the deployment process by leveraging AWS Fargate
- Built NPM package to assist in the deployment of Triage
- Automated deployment by creating an AWS infrastructure deployment script, which in conjunction with CLI commands, simplified the deployment and teardown of Triage in the cloud (CDK)
- Implemented application logic that allowed for the storage of poison pill messages in a dead-letter store (DynamoDB)
- Collaborated with a remote team of four engineers across two timezones
- Authored technical case study for Triage, available at team-triage.github.io/case-study ⧉

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 simple contact managing application built with Node.js, Express.js & PostgreSQL & JavaScript
- To-Do List - built with Ruby, Sinatra, PostgreSQL, JavaScript & ERB
- Book Viewer App - built using Ruby, Sinatra, PostgreSQL, JavaScript & ERB

Real Estate Investments & Start-Up Experience   2011 – 2021

- Invested in, sold, and rented investment properties across two countries
- Performed investment due diligence supporting opportunities for a start-up private merchant bank connecting investors with energy and other asset opportunities in African emerging markets

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Education

Capstone Program, *Launch School*   2022

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

Bachelor of Science: Computer Science, *University of the Witwatersrand*   2009

Skills

Go Programming Language (Channels, Goroutines, Concurrency, Modules), **Ruby** (Sinatra, Gems, Puma, ERB, Bundler), **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), **gRPC** (Protocol Buffers), **HTTP**, **Docker**, **Linux**, **HTML/CSS**, **Git/Github**, **Ngrok**, **Nginx**, **Event-Driven Architectures**, **Microservices**