Aryan Binazir

Software Engineer

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Profile

Results-driven Software Engineer based in Raleigh-Durham, NC, offering multiple years of experience developing scalable applications using Go, JavaScript, Ruby, React, PostgreSQL, MongoDB, Docker, CDK, Terraform, and cloud platforms such as AWS, Digital Ocean, and Heroku. Adept at designing and implementing innovative solutions, as demonstrated by the recent development of Triage, an open-source Kafka consumer proxy that solves head-of-line blocking issues. U.S. Citizen.

Experience

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 Elastic Container Service (ECS)
- 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)/CloudFormation
- 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 🔗

Software Engineer, *Open-Source Projects*   2020 – 2022
- Request-Djinn - an HTTP webhook inspector built using Node.js, Express.js, React.js, MongoDB, PostgreSQL, Digital Ocean Droplet, Nginx, PM2 & Tailwind CSS
- Online Outlet - an e-commerce application created using Node.js, Express.js, React.js, REST APIs
- Address Buddy - a contact management application developed with Node.js, Express.js & PostgreSQL
- BookWorm - a book-viewing application built using Ruby, Sinatra, PostgreSQL, JavaScript & ERB

Start-Up Experience & Real Estate Investments   2011 – 2020
- 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
- Built a real estate portfolio with properties in both the United States and South Africa

Skills

Go, **JavaScript** (Node.js, Express.js, React.js, Handlebars.js, Jest, NPM), **Ruby**, **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),
REST APIs, **HTTP**, **gRPC**, **Systems Design**, **Docker**, **Linux**, **HTML/CSS**, **Git/Github**, **Ngrok**, **Nginx**,
Event-Driven Architectures, **Microservices**, **CI/CD**, **Agile**, **Testing** (Unit Tests, Integration Tests, Regression Tests),
Bash, **Infrastructure as Code** (Terraform, CDK, CloudFormation, Ansible)

Education

M.B.A, *Gordon Institute of Business Science*   2012

B.S. in Computer Science, *University of the Witwatersrand*   2009