

# Aryan Mike Binazir

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## Experience

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### Applied AI Engineer, Tanium [🔗](#)

Dec 2025 – Present | Durham, NC

- Fine-tuning and deploying LLMs for Tanium's AI platform; building supporting backend infrastructure in Go and Python.

### Senior Software Engineer, Fortress Information Security [🔗](#)

Apr 2025 – Nov 2025 | Remote

- Architected and led Python-based backend development for AI Monitoring platform, delivering 90% cost reduction in risk management through high-performance, scalable Third-Party Cyber Risk Management systems supporting critical infrastructure security.
- Led comprehensive backend rewrite for shared platform supporting 3 company products, implementing TypeScript for strong type safety and asynchronous queuing to offload long-running processes, delivering reliable performance and highly responsive frontend experiences.

### Software Engineer, Fortress Information Security [🔗](#)

Oct 2023 – Apr 2025 | Remote

- Developed internal automation tool using Go and Bash that reduced local developer environment setup time from 2 hours to 15 minutes, accelerating onboarding and boosting developer productivity.
- Built full-stack Vulnerability Management application from alpha to production-ready state, reducing MongoDB data transfer by 50% through optimized database projections, securing authentication by upgrading vulnerable packages, and delivering new features across Node.js and React.js stack.

### Co-Creator, Software Engineer, Triage [🔗](#)

Aug 2022 – Sep 2023 | Remote

Triage is an open-source proxy for Apache Kafka that addresses head-of-line blocking from poison pill messages and non-uniform consumer latency. It enhances parallel consumption.

- Led core development using Go, gRPC, and AWS (Fargate/ECS), leveraging Go channels and goroutines for high-concurrency message processing and implementing DynamoDB dead-letter store for poison pill message handling.
- Built supporting ecosystem including thin client library, Node.js CLI tool (npm package), Docker containerization, and automated AWS CDK infrastructure deployment.
- Delivered 10x improvement in connections per Kafka partition through parallel consumption architecture.
- Authored technical case study showcasing Triage, available at [team-triage.github.io/case-study](https://team-triage.github.io/case-study) [🔗](#).

### Software Engineer, Open-Source Projects

Aug 2020 – Jul 2022 | Remote

- Built multiple open-source projects including Request Djinn, a webhook inspector enabling developers to receive and analyze webhook payloads during testing and development, using TypeScript, Express & PostgreSQL.

## Skills

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**Go** | **Python** | **TypeScript** | **Databases** — SQL, NoSQL, PostgreSQL, MySQL, MongoDB, Redis | **REST APIs** | **Docker / Containerization** | **Testing** — Unit/Integration/Regression | **AWS Cloud** | **Linux** | **Microservices** | **Git** | **CI/CD** | **Message Queues** | **Apache Kafka** | **Event-Driven Architectures** | **Infrastructure as Code** — Terraform, CDK, CloudFormation | **HTTP** | **gRPC** | **Nginx** | **Bash** | **Agile Methodologies** | **React.js**

## Education

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**M.B.A**, Univ. of Pretoria/Gordon Institute of Business Science

2012

**B.S. in Computer Science**, Univ. of the Witwatersrand

2009