

# 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