

# Aryan Mike Binazir

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## Experience

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**Applied AI Engineer, Tanium** [🔗](#) Dec 2025 – Present | Durham, NC

Build and deploy LLM-based agents for Tanium's AI platform, including RAG pipelines, tool/orchestration, context management, and evaluation frameworks in Go and Python.

- Rebuilt Tanium Ask into an agentic system in Go: multi-step task planning, tool selection/execution, and context propagation across actions.

**Senior Software Engineer, Fortress Information Security** [🔗](#) Apr 2025 – Nov 2025 | Remote

- Owned and architected Python backend for an AI monitoring platform; built scalable third-party cyber risk management services that reduced risk management costs by 90% for critical-infrastructure security programs.
- 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 |

**LLM Agent Orchestration** | **RAG** | **LLM Evaluations** | **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**

## 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