

# Yusuf Olasunkanmi Ayinde

[YUSUFAYINDEV.CLOUD](https://yusufayindev.cloud)

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## FELLOWSHIP STATEMENT OF INTEREST

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Infrastructure and cloud engineer with 5 years of hands-on experience building reliable, automated, and observable systems at scale across Azure, AWS, and GCP. Passionate about applying engineering rigour to AI safety research — particularly in scalable infrastructure for LLM experimentation, AI security, and ML systems reliability. Actively building Python-based AI tooling and seeking to contribute empirically to Anthropic's safety mission through the Fellows Program.

## TECHNICAL SKILLS

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**Languages:** Python (primary) • Bash • PowerShell • HCL (Terraform)

**AI / ML Tools:** Hugging Face Transformers • LangChain • OpenAI API • Anthropic API • PyTorch (learning)

**Cloud & IaC:** GCP • GKE • Azure • AWS • Terraform • Bicep • ARM Templates

**CI/CD & GitOps:** GitLab CI/CD • GitHub Actions • ArgoCD • Spacelift • Bazel

**Containers:** Kubernetes • Docker

**Observability:** GCP Monitoring • Azure Monitor • Log Analytics

**Practices:** SRE • Incident Response • Performance Tuning • Runbook Authoring

## GITHUB PROJECTS & OPEN-SOURCE WORK

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- **LLM Evaluation Harness (Python):** Built a Python framework to benchmark LLM outputs across multiple open-source models on adversarial prompts, measuring refusal rates and jailbreak susceptibility — directly relevant to AI safety evaluation.
- **GitOps Deployment with ArgoCD:** Designed and deployed a declarative GitOps pipeline on GKE using ArgoCD with automated sync, rollback, and drift detection — demonstrating reproducible infrastructure for ML workloads.
- **Multi-Cloud Terraform Modules:** Reusable, parameterized Terraform modules across AWS, Azure, and GCP enabling consistent, auditable infrastructure provisioning — applicable to compute environments for AI research.
- **Automated Incident Response Bot (Python):** Python-based alerting and auto-remediation tool integrated with cloud monitoring APIs, reducing MTTR by triaging common failure modes without human intervention.
- **Bazel Monorepo Build Integration:** Integrated Bazel into a CI monorepo pipeline with remote caching, cutting build times significantly — relevant to large-scale ML training pipeline optimization.

## PROFESSIONAL EXPERIENCE

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### DevOps / Cloud Infrastructure Engineer | *BBVA*

2024 – 2026 (Contract)

- Managed cloud infrastructure at scale with Terraform, PowerShell, and Azure CLI, enforcing environment consistency across production and staging systems.
- Designed automated health checks and baseline configuration scripts in Python/Bash, enabling proactive anomaly detection before customer-facing impact.
- Built and maintained CI/CD pipelines and automated provisioning workflows, reducing manual deployment effort and accelerating release velocity.
- Diagnosed and resolved complex cloud, identity, and networking incidents across Azure, minimizing mean time to resolution (MTTR).
- Championed GitOps practices via ArgoCD-based workflows; authored detailed runbooks improving on-call knowledge transfer.

### Cloud Infrastructure Analyst | *Tahpin Inc.*

2023 – 2024 (Contract)

- Automated infrastructure provisioning via Terraform modules, eliminating manual configuration errors and reducing setup time.

- Supported CI/CD deployment automation pipelines for faster, more consistent application releases.
- Conducted infrastructure audits and implemented reliability remediation strategies to maximize platform uptime.

**Junior Cloud Support Analyst** | *Rock Solid Safety* 2021 (Contract)

- Contributed to end-to-end cloud migration with minimal business disruption.
- Developed Python monitoring and alerting scripts to track system health and surface early performance degradation signals.

**Fellow** | *Venture for Canada* 2025

- Collaborated across distributed, cross-functional teams to optimize developer workflows and internal tooling.

## CERTIFICATIONS

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- Microsoft Certified: Azure Administrator Associate (AZ-104)
- AWS Certified Solutions Architect – Associate
- Red Hat Enterprise Linux Fundamentals
- Linux System Administration – IBM
- Azure Cloud Services – Coursera
- OACP Certificate

## EDUCATION

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**BCom. Finance** | *York University* 2021 – 2025

**B.Sc. Political Science** | *Obafemi Awolowo University* 2018 – 2020