

YASSIN YASSIN

Platform Engineer

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PROFILE

Platform / DevOps Engineer specialising in designing, building, and operating production-grade cloud and Kubernetes platforms on AWS and Azure. Strong hands-on experience with Infrastructure as Code (Terraform), CI/CD and GitOps workflows, secure networking, and production operations supporting data workloads. Experienced in building deterministic, governed platforms and selectively enhancing them with AI capabilities, including local and hosted LLMs, applied only where they add measurable value and maintain explainability.

CERTIFICATIONS

Microsoft Certified: Azure Solutions Architect Expert

2025

Certified Kubernetes Administrator

2025

Microsoft Certified: Azure Administrator Associate

2024

Microsoft 365 Certified: Enterprise Administrator Expert

2024

AWS: DevOps Engineer Professional

In Progress

CompTIA Network+

2024

Microsoft 365 Certified: Endpoint Administrator

2024

WORK EXPERIENCE

INDEPENDENT PLATFORM ENGINEER

06/2024 – Present

Productised Platforms & Systems (Independent R&D)

Compliance & Infrastructure Constraint Engine

- Built a deterministic compliance engine ingesting authoritative legislation and extracting enforceable obligations
- Normalised legal obligations into a structured model used to derive infrastructure and platform constraints
- Designed the system to prevent non-compliant configurations by default, rather than relying on manual checks
- Maintained full traceability from legislation source to derived constraint, suitable for regulated environments

SQL Data & Analytics Engine

- Built a data analysis engine ingesting CSV and structured datasets into a canonical SQL database
- Automatically derived high-value analytical queries, KPIs, and business metrics from raw data
- Produced structured outputs suitable for downstream BI tooling and executive reporting
- Introduced limited AI assistance only where deterministic analysis was insufficient, retaining explainability

Location & Market Intelligence Engine

- Developed a location intelligence platform aggregating geographic, competitor, pricing, and demand signals
- Implemented deterministic scoring models to assess market saturation, opportunity, and commercial viability
- Generated repeatable, data-driven outputs to support expansion and site selection decisions
- Prioritised data provenance and consistency over opaque inference

Asset & Operations Automation Engine

- Built an asset and operations management system supporting automated onboarding and lifecycle tracking
- Implemented event-driven workflows for operational processes and third-party integrations
- Designed the platform to operate deterministically, with optimisation suggestions layered on top
- Focused on reducing operational overhead as organisations scale assets and headcount

Trusted Research Environment (Azure)

- Architected and implemented a governed Azure Trusted Research Environment aligned to UK regulatory expectations, including GDPR, ICO guidance, and NCSC principles, treating regulatory constraints as first-class design inputs
- Designed a private AKS platform with strict network isolation, private endpoints, and policy-enforced resource creation, preventing non-compliant infrastructure by default •
- Implemented Azure Policy-driven governance, mandatory tag enforcement, and deny-by-default controls across subscriptions and management groups
- Built approval-gated, event-driven infrastructure provisioning workflows using Logic Apps, Entra ID, and GitHub Actions, producing immutable, auditable records of all requests, approvals, and deployments
- Integrated CI/CD pipelines to deploy governed infrastructure via approved automation paths, ensuring controlled and traceable environment creation
- Delivered a platform model suitable for regulated research, sensitive datasets, and controlled collaboration without public exposure

TECHNICAL DELIVERY ENGINEER

09/2024 – 10/2025

Ekco

- Provisioned and automated Azure infrastructure using Infrastructure as Code principles, deploying scalable virtual desktop and compute environments.
- Developed PowerShell automation for identity lifecycle management and compliance reporting, reducing manual operational risk.
- Implemented cloud security monitoring using Microsoft Defender tooling and supported investigation and remediation of security incidents.
- Provided out-of-hours support for Azure environments, responding to alerts, triaging incidents, and performing runtime remediation for CVE-related vulnerabilities.

IT Support Engineer

12/2023 – 09/2024

IT-Logik

- Provided out-of-hours support for Azure environments, analysing alerts, escalating incidents, and performing runtime updates on virtual machines in response to CVE-related vulnerabilities.
- Administered Citrix infrastructure, performing platform updates, application deployments, and advanced troubleshooting to maintain performance and availability.
- Led incident triage and root cause analysis for Azure environments, identifying underlying causes of service disruptions and implementing preventative remediation to reduce repeat incidents and security exposure.
- Supported mailbox migrations from on-premises Exchange to Microsoft 365, handling data transfer, validation, and user continuity

IT SUPPORT ENGINEER

08/2023 – 12/2023

CliniSys (Fixed-Term)

- Managed and reconfigured virtual machines using VMware to support dynamic workloads.
- Designed and implemented Windows Autopilot deployment profiles with Entra ID device group assignments, enabling repeatable, compliant device builds aligned to organisational configuration and regulatory requirements.
- Assisted with template-based infrastructure deployments by validating configuration changes and supporting environment rollouts.
- Authored and updated knowledge articles in Service Desk Plus.

EARLIER CAREER – IT & CLOUD OPERATIONS

12/2021 – 12/2023

- Supported and stabilised Azure / M365 production environments through incident triage, root cause analysis, and runtime remediation.
- Automated operational tasks using scripting to reduce repeat incidents and manual effort.
- Developed PowerShell automation to detect expiring secrets, audit licences, and generate compliance reports, improving monitoring coverage and response times.
- Diagnosed and resolved profile, connectivity, and performance issues in Azure Virtual Desktop environments through log analysis and configuration optimisation.

- Implemented backup and disaster recovery processes for virtualised workloads, ensuring continuity of critical systems.

Projects

Continuous Training MLOps Pipeline (AWS)

Tools Used: Airflow, MLflow, BentoML, Kubernetes, FluxCD, Terraform, Docker, AWS (EKS, ECS, VPC, S3, Security Groups), Kubernetes Ingress, secrets management, Prometheus, Grafana, CloudWatch, CI/CD

Event-Driven Streaming ETL Platform (Kafka)

Tools User: Apache Kafka (topics, partitions, consumer groups), Python, Polars, PostgreSQL, Docker, Kafka CLI, ETL tooling, Tableau, Prometheus, Grafana

Node.js Azure Deployment Project

Tools Used: Node.js, Express.js, Azure App Service (Linux), Jenkins Pipelines, Deployment Slots, GitHub, CI/CD automation, Infrastructure-as-Code principles, App Insights, Log Analytics

SQL Data Migration

Tools Used: SQL Server, Azure Data Factory, Azure Data Lake Gen2, Azure Databricks (PySpark), Azure Synapse Analytics (Serverless SQL), Power BI, Azure Key Vault, Entra ID (RBAC), Python, Jupyter Notebook, pandas, ETL pipeline design

EDUCATION

Chemical Engineering

2018

University Of Teesside

SKILLS

Azure	Kubernetes	Prometheus	Terraform
AKS, Compliance, Networking, Entra ID	CI/CD	GitOps	Grafana
Networking	Intune	Event-Driven Architecture	Kafka (Streaming & ETL)
Cloud Security	Data Engineering	PowerShell	Bash
Machine Learning Pipelines	Linux	VMWare	AWS (EKS, VPC, IAM)
Python			