

Asttle Joseph

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SUMMARY

Versatile DevOps Engineer with over 5 years of experience in the software industry specializing in cloud infrastructure, containerization, CI/CD automation, and observability solutions. Recently completed an MSc in Computing and Technology from Northumbria University with first-class honours. Authorized to work in the UK.

EXPERIENCE

DevOps Engineer

SigTech

August 2024 – Present, London

- Successfully deployed AI services and AI models in cloud environments, establishing infrastructure for model training, serving, and monitoring
- Implemented comprehensive observability stack using OpenTelemetry with Jaeger, Prometheus/Mimir, and Fluentbit/Loki across multiple environments, enhancing system reliability and troubleshooting capabilities
- Architected GitOps workflow automation using ArgoCD that standardized deployment processes and enabled automatic image updates, significantly reducing manual intervention
- Successfully led EKS cluster upgrades across multiple environments, including management of cluster addons and comprehensive documentation of processes
- Orchestrated multi-cloud migration strategy including AKS cluster setup, Azure Cache for Redis, and Application Gateway configuration while maintaining service continuity
- Orchestrated multi-cloud migration strategy, including AKS cluster setup, Azure Cache for Redis, and Application Gateway configuration, maintaining service continuity and achieving a 99.99% uptime during the transition process.

DevOps Engineer

WorkHall

July 2022 – April 2023, Bengaluru, India

- Collaborated on migration to AWS cloud infrastructure from on-premises, resulting in 40% reduction in infrastructure management time and 30% improvement in system performance and scalability.
- Developed and deployed infrastructure for EKS clusters using Terraform, cutting provisioning time from 4 hours to 2 hours per cluster.
- Created and managed CI/CD pipelines with GitHub Actions, reducing deployment time by 20% and increasing deployment frequency from 10 to 17 times per week.
- Implemented Istio service mesh for EKS clusters to enhance security through mTLS, resulting in 50% reduction in security breaches and incidents.
- Automated CD pipeline using GitOps with ArgoCD, saving developers time of 20 minutes per build.
- Employed HashiCorp Vault for secrets management, increasing security and reducing vulnerabilities by 20%.

Software Engineer

WNS-Vuram

May 2018 – June 2022, Chennai, India

- Overcame scalability hurdles to enable donations exceeding 1 crore, introducing real-time tracking features that increased donation efficiency by 30%.
- Administered shell scripting for database migration which reduces manual effort by more than 50%.
- Incorporated real-time donation tracking and push notifications into Humane platform mobile apps, resulting in 50% increase in app downloads and 100 surge in active users.
- Applied code splitting and asset compression techniques, reducing application size from 15 MB to 5 MB.

EDUCATION

MSc in Computing and Technology, 1st

Northumbria University • London • 2023 – 2024

- Modules: Information Governance and Cyber Security (1st), Database and Analytics Principles(1st).

CERTIFICATIONS

AWS Solutions Architect Associate C03

2024

Certified Kubernetes Administrator

2024

SKILLS

Cloud - AWS, Azure

Containerization - Docker, Kubernetes (EKS)

IaC - Terraform, CloudFormation

CI/CD - Jenkins, Github Actions

Monitoring and logging: Prometheus, Grafana, ELK, AWS Cloud Watch

Programming languages: Python, Javascript, Shell scripting
