

Derek Milbert

DEVOPS ENGINEER

CI/CD · IaC · Containers · GitOps

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PROFESSIONAL PROFILE

DevOps Engineer with 7+ years of hands-on infrastructure experience, including 4+ years post-qualification, progressing from Bash/Puppet automation through Jenkins and Ansible into Terraform, GitLab CI/CD and container-based delivery. Currently operate a GitOps-based Kubernetes deployment model using Argo CD, Argo Workflows and Helm. Looking to continue advancing automation, CI/CD and GitOps practice within a DevOps-focused engineering role.

PROFESSIONAL EXPERIENCE

DevOps / Cloud Infrastructure Engineer

Jun 2024 – Present

adesso SE — regulated insurance environment

Official role: Consultant

- Engineer and operate a multi-environment Azure/AKS platform using Terraform, Kubernetes and Helm, including supporting platform services such as Key Vault, ACR and API Management, spanning development, testing, integration and production environments.
- Established containerisation and deployment foundations that were subsequently handed over to application development teams.
- Operate a GitOps-based deployment model using Argo CD and Argo Workflows on top of GitLab CI/CD.
- Administer Microsoft SQL Server / Azure SQL Managed Instance database infrastructure, including Liquibase-based deployment workflows and SQL Server CDC integrations supporting downstream Microsoft Fabric data processing.
- Build and maintain Docker images, Helm charts and Kubernetes deployment configuration for multiple internal applications.
- Manage cloud-native secrets and integrations using Azure Key Vault and Kubernetes-based secret-management patterns.
- Administer and troubleshoot the Linux-based tooling and container runtime layers underpinning the AKS platform.

Infrastructure / DevOps Engineer

Jan 2023 – Jun 2024

CGI — international consumer brand

- Managed application releases and production deployments through Jenkins-based CI/CD.
- Introduced and maintained infrastructure configuration management using Puppet and Ansible.
- Was entrusted with a key technical role during the production go-live of a major Magento upgrade.
- Operated production infrastructure for a business-critical Magento-based e-commerce platform running on dedicated CentOS 7 physical servers with round-robin load balancing.
- Performed production incident investigation and troubleshooting across Linux, application, deployment, logging and infrastructure layers.

Infrastructure / Systems Engineering

Aug 2018 – Dec 2022

Symgenius GmbH & Co. KG

Internship → [Fachinformatiker Systemintegration](#) apprenticeship → [post-qualification infrastructure role](#)

Qualification completed June 2022

- Developed automation and configuration-management experience through Bash and Puppet.
- Deployed and managed Prometheus and Node Exporter across the hosting estate for infrastructure metrics collection.
- Designed and owned a centralised monitoring platform covering 200+ VMs and 10 physical systems, including Grafana dashboards, Icinga/Slack alerting and a downsampled InfluxDB retention model across 1-, 5- and 10-year periods.

INDEPENDENT ENGINEERING

Design and operate private Linux infrastructure supporting self-hosted source control, CI, documentation, monitoring, logging and production web hosting.

Linux · GitLab · BookStack · Grafana · Prometheus · Loki · Plesk · Cloudflare

ToolboxLane PRODUCTION

Independently own the full lifecycle of a production web utilities platform — Git-based source control, CI validation, controlled deployment workflow, hosting and monitoring.

CORE TECHNOLOGIES

PRIMARY	Terraform · GitLab CI/CD · Kubernetes · Docker · Helm · Argo CD · Argo Workflows · GitOps · Jenkins · Ansible · Puppet · Liquibase
SUPPORTING	Azure · AKS · Linux · Elastic · Grafana · Prometheus · SQL Server

EDUCATION

Fachinformatiker für Systemintegration

Symgenius GmbH & Co. KG · Qualification completed June 2022

LANGUAGES

English (Fluent) · German (B2 Certified) · Afrikaans (Fluent)

HOBBIES

Gaming · Leather working · Bookbinding · Reading · Screenprinting · Laser cutting/engraving crafts