



LYLE HENKEMAN

Data
DevOps
Platform / Cloud
MLOps
Leadership



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Netherlands / Dubai

Language

- English (Native)
- Dutch (Fluent - B1)

Data Platform Architect with 17 years of experience designing and delivering scalable Data and MLOps platforms across cloud environments. Combines deep hands-on engineering expertise with strong leadership, driving architecture, governance, and delivery across Data Engineering, Data Science, and Analytics teams.

Technical Stack & Platforms

Tooling / DevOps:

Git (Hub / Lab) - CICD; Jenkins; Bamboo; Travis; SonarQube; CircleCI; Helm; Docker; Kubernetes; ArgoCD; FluxCD; Terraform; Ansible; Chef; JFrog; Buildkite; Vault; Backstage; PRTG; FluentD / FluentBit; ELK; Prometheus; Grafana; Thanos; OpenTelemetry; Loki; Istio; Nginx; Cloudflare; Conveyor; Dependabot.

Cloud:

AWS: S3; EMR; Glue; Athena; SageMaker; ECS; EKS; Lambda; Step Functions; RDS; DynamoDB; Redshift; Kinesis Firehose; MSK; ElastiCache; Elasticsearch; CloudWatch; CloudFormation; CDK; OpsWorks; Systems Manager; Trusted Advisor; IAM; KMS; CloudFront; VPC; API Gateway; Route53; Cognito; ACM; Config; SQS; SNS; Lake Formation; Fargate; QuickSight; Batch; Redis; PrivateLink; Transit Gateway; GuardDuty; SecurityHub; Control Tower; Organizations; IAM Identity Center (SSO); DataSync.

Azure: Azure Databricks; ADLS Gen2; Azure Data Factory; Azure Key Vault; Azure Container Apps; Azure Container Registry (ACR); Azure Monitor; Log Analytics; Azure Functions; Azure App Service; Azure API Management; Azure Virtual Network; Private Link; Managed Identity; Azure DevOps; Entra ID (Azure AD).

Languages:

Python; TypeScript / JavaScript; Ruby; C# (.NET); Bash; SQL; PHP; PowerShell.

Data / MLOps:

Apache Iceberg; Airflow; Spark; Hadoop; Kafka; Kubeflow; Argo Workflows; MLflow; Hugging Face; Ray; Feast; Tecton; Delta Lake; Snowflake; DBT; Matillion; Databricks; Jupyter; Great Expectations; Griffin; Zeppelin; Splunk; R-Studio / Server; Deequ; Unity Catalog; Databricks Workflows; Feature Store; Model Serving; DBX (Databricks CLI); Terraform (Data Platform IaC).

Databases:

MySQL; MariaDB; PostgreSQL; Oracle; MongoDB; Vertica; Cassandra; Memcached; Varnish.

Messaging:

Kafka; RabbitMQ; ActiveMQ.

Version Control:

Git (Hub / Lab); Bitbucket; Mercurial; SVN.

Performance / Testing:

Apache JMeter; BlazeMeter; Locust; tal-meter-EC2 (self-developed); Cobra; Zipkin; Selenium; PyTest; Robot Framework; Postman.

Project:

Jira; Confluence; Trello; TFS; FogBugz; ServiceNow; Salesforce; SharePoint; Azure DevOps.

Methodologies:

Agile; Scrum; Kanban; GitOps; DevSecOps.

Experience

Principal / Lead MLOps Engineer | Engie | Nov 2025 – Present

- Lead MLOps & Data Platform strategy for ENGIE B2C NL across the SPM and B2C data teams
- Leading a cross-cloud migration of production Delta tables from Azure Databricks to AWS Unity Catalog, preserving full table history via raw Delta-log file copy (AWS DataSync) productised into a YAML-parameterised runbook
- Running shadow-run validation and cutover for production forecasting platforms (PredictNL / FlexNL), including runbook creation, risk management, and post-migration support model definition
- Built a 3-layer CI/CD platform (GitHub Runners, Templates, Consumer Repos); standardized infra with Terraform, reducing deployment time ~40%
- Designed and hardened dbt CI/CD on Azure Container Apps ephemeral runners (GitHub Actions, OAuth M2M auth to Databricks), cutting manual ops ~60%
- Enable and guide DE/DS/DA teams on platform usage and best practices

Senior Data / MLOps / AWS Engineer | Essent | Nov 2024 – Nov 2025

- Leading 8+ engineers in modernizing Essent's data lake and MLOps ecosystem
- Make strategic architectural decisions and guide technical direction on datalake, warehouse and governance
- Introduced Terraform-based infrastructure automation, reducing deployment times by 40%
- Designed CI/CD for Databricks, DBT & Snowflake pipelines, cutting manual ops by 60%
- Enable and mentor data teams on Terraform, Airflow, DBT, Snowflake, Databricks, CICD & container workloads

Senior Data / Platform Engineer | Vodafone Ziggo | Feb 2024 – Nov 2024

- Designed and implemented a Data Mesh platform leveraging DevOps principles
- Enhanced the existing platform to improve scalability, security, and long-term maintainability
- Led the migration from Amazon EMR to EMR Serverless
- Utilized a broad technology stack including EMR, Apache Airflow, AWS CDK, Terraform, SQS, PostgreSQL, DynamoDB, AWS Lambda, TypeScript, Python, Kafka, and Grafana

Senior Platform / Platform Engineer | Alliander | Oct 2023 – Feb 2024

- Implemented Infrastructure-as-Code for a Data Lake and Data Warehouse to support Data Science and Machine Learning workloads
- Built using technologies including AWS CDK, EC2, VPC, Snowflake, Matillion, AWS Lambda, Python, TypeScript, Databricks, and Backstage

Senior Data Engineer / Tech Lead | PVH | Mar 2023 – Sep 2023

- Developed data pipeline solutions and Infrastructure-as-Code implementations
- Mentor junior team members to enhance skills and ensure delivery quality
- Worked with technologies including Amazon EMR, AWS Glue, Amazon Athena, EC2, Apache Airflow, Apache Spark, and Apache Zeppelin

Lead Data / MLOps Engineer | DPG | Oct 2022 – Mar 2023

- Lead, mentor, and guide Data Engineering, Data Science, and Analytics teams
- Manage stakeholders to align technical solutions with business objectives
- Utilized technologies including Terraform, Snowflake, DBT, Apache Airflow, Python, and TypeScript
- Empower teams by managing team resources

Senior Data Platform Engineer / SRE | VOLT | Mar 2022 – Sep 2022

- Served a dual role as DevOps/Platform Engineer for the Data Science & Machine Learning team and Site Reliability Engineer for the Platform team
- Worked with technologies including Kubernetes, Apache Spark, Cassandra, DBT, PostgreSQL, Apache Airflow, Terraform, Kafka, and the ELK stack

Senior Data / Platform Engineer / Architect | NXP | Sep 2020 – Feb 2022

- Architected, developed, and implemented a Data Lake for R&D data from the ground up
- Mentored team members to strengthen technical expertise and delivery capabilities
- Utilized technologies including AWS CDK, AWS Glue, Amazon EMR, DBT, Amazon SageMaker, Apache Spark, GitLab Pipelines, and Splunk

Senior Data / Platform / MLOps Engineer | ASML | Mar 2020 – Sep 2020

- Built an on-premises Data Lake to support enterprise data initiatives
- Implemented CI/CD pipelines to streamline deployment and integration processes
- Worked with technologies including Colibra, Apache Spark, Buildkite, Docker, Kubernetes, Python, Databricks and the ELK stack

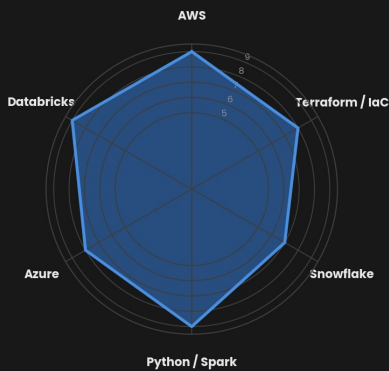
Previous

- Nike | Senior Data Platform Engineer | Jan 2019 – Jan 2020
- Talpa Network | DevOps Engineer / Architect | Mar 2018 – Nov 2018
- Active Video | Automation Engineer | Sep 2017 – Feb 2018
- Takealot | Lead DevOps Engineer | Dec 2015 – Mar 2016
- FIS | Software Developer | Jul 2013 – Nov 2015
- Blackbay | Solutions Engineer | Jul 2012 – Nov 2013
- Pick n Pay | Junior Engineer | 2010 – 2012

Education

- BSc Computer Science & Applied Mathematics | 2007 – 2010

Core Platform Expertise



Industry Experience

In-role years across a 17-year career (2010 – present)

