

Senior DevOps / Platform Engineer · Israel · hybrid or remote

Michael Oberlauder

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DevOps engineer with 10 years of hands-on Linux. Builds and runs production platforms on AWS, GCP and private VMware vSAN using Terraform, Kubernetes (EKS and bare metal) and ArgoCD GitOps. Sole DevOps and on-call engineer for over two years in a SOC 2-audited environment. Led a full platform modernization supporting 50–60 developers: VM-based Ansible to containerized, autoscaling EKS; Azure DevOps to GitHub Actions; New Relic to the LGTM stack. Guiding approach: if it needs to be made, it gets made.



Experience

Jul 2022 –
Present

DevOps Engineer

FINSIGHT (May 2024 – Present) · T-REX (Jul 2022 – May 2024), acquired by FINSIGHT

- Sole DevOps and on-call engineer for the T-REX platform for over two years, owning the cloud platform that 50–60 developers build and ship on: a multi-environment EKS platform with about 20 microservices, plus the data platforms (Airflow and BI) I deployed and maintain, upgrades included.
- Personally built the move to EKS while running and supporting live production: containerized a monolithic services stack into fine-grained microservices, wrote the Helm charts (later consolidated into one shared multi-service chart) and took all of it to production, with HPA scaling each service independently. Build time dropped from up to 25 minutes (AMI builds) to about 10 (container images). Started at T-REX, completed after the acquisition.
- Initiated GitOps at T-REX and made it happen: introduced ArgoCD and moved every service to Git-driven deployment.
- Migrated all CI/CD pipelines from Azure DevOps to GitHub Actions. Production releases twice a week with blue-green deployments through Argo Rollouts, and urgent patches ship any time on request.
- Moved infrastructure from Ansible to Terraform: every environment is defined as code, including my own EKS module with Karpenter, with state in S3.
- Security: private EKS clusters behind zero-trust access, managed secrets, automated dependency updates and keyless CI authentication to AWS. Prepared infrastructure evidence and implemented controls for the company's SOC 2 certification.
- Set up AWS IAM Identity Center (SSO) with per-team permission sets across multiple AWS accounts. Led the infrastructure integration after the acquisition: accounts, networking and SSO.
- Own PostgreSQL in all three environments: upgrades, replication and migrations, backed by RDS snapshots, cross-region copies and replicas, and a yearly disaster-recovery test.
- Led the move from New Relic to the open-source LGTM stack (Loki, Grafana, Tempo, Mimir), removing its license costs while keeping full-stack observability and alerting. Also ran PagerDuty for on-call alerting.
- Moved regression tests from ECS to Kubernetes (Helm, Karpenter, HPA), cutting the cost of every run on tests that run several times a day, for every pull request.
- Work closely with developers and data scientists to resolve performance issues.

Mar 2021 – Jul
2022

DevOps Engineer

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- Sole DevOps owner, managing a multi-cloud environment (AWS and GCP) alongside a private VMware vSAN cluster.
- Migrated standalone, unconnected servers, including database servers totaling about 8 TB (largest about 1 TB), to a fully automated private VMware vSAN cluster of 10 physical hosts running up to 100 VMs, with minimal downtime.

- Improved availability and SLA: instead of frozen servers being restarted by hand, VMs now fail over and migrate between hosts automatically, and the physical cluster expands on demand.
- Provisioned EKS clusters for production and development on AWS, and deployed self-managed Kubernetes on the vSAN cluster with Kubespray, Calico networking and MetalLB load balancing.
- Introduced Prometheus for cluster monitoring, and supported developers and data scientists in resolving system issues.

Feb 2016 – Mar 2021

Linux System Administrator

SPD Hosting (Mar 2019 – Mar 2021) · Host&Found (Feb 2016 – Mar 2019)

- Administered production Linux servers at an Israeli web hosting and managed cloud provider with thousands of servers and websites, including large e-commerce stores where every minute of downtime meant lost sales.
- Worked across all major hosting panels and platforms, including Magento and custom-built e-commerce stores, and managed AWS accounts for clients.
- Front-line technical support for those clients: took incidents from first response through troubleshooting to resolution, keeping clients informed throughout.
- Worked under pressure on live production incidents, restoring service fast when clients' businesses were on the line.

Technical skills

Cloud	AWS, EC2, EKS, ECS, S3, VPC, RDS, Lambda, SQS, SNS, CloudFront, OpenSearch, API Gateway, ElastiCache, EFS, FSx, GCP
Private cloud	VMware vSphere, vCenter, ESXi, vSAN
IaC and config	Terraform (own modules, S3 backend), Ansible
Containers and GitOps	Kubernetes (EKS and bare metal), Helm, ArgoCD, Argo Rollouts, Karpenter, Cluster Autoscaler, AWS Load Balancer Controller, NGINX Ingress, cert-manager, external-dns, Kubespray, Rancher, Calico, MetalLB, Docker
Security and access	AWS Secrets Manager, External Secrets Operator, HashiCorp Vault (familiar), IAM Identity Center (SSO), Zero-trust network access, OIDC workload identity, Dependabot, SOC 2
CI/CD	GitHub Actions, Azure DevOps
Observability	Grafana, Loki, Tempo, Mimir, Prometheus, New Relic, PagerDuty
Databases	PostgreSQL (RDS), MySQL, MongoDB
Data platforms	Apache Airflow, BI platforms
Languages and OS	Bash (GitHub Actions, automation), Python (scripting), Linux (10 years)
Network and CDN	Cloudflare, CloudFront, Networking (CCNA coursework)

Training and languages

- RHCSA/RHCE preparation course, John Bryce College (2017)
- MSSQL 2014 DBA course, John Bryce College (2016–2017)
- CCNA course, John Bryce College (2015)

English proficient **Hebrew** fluent **Ukrainian** fluent **Russian** native