



Michael Fedorovsky

Cloud Infrastructure Engineer | Platform Engineer | Site Reliability Engineer (SRE)

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Cloud Infrastructure Engineer with 2 years of hands-on experience designing, deploying, and operating scalable cloud-native environments across AWS, Azure, and GCP. Deep expertise in Kubernetes orchestration, Infrastructure as Code (Terraform/Ansible), CI/CD automation, and GitOps. Proven ability to build resilient, cost-optimized platforms with full observability stacks. Passionate about automation-first engineering, reducing toil, and enabling teams to ship faster with confidence.

CORE COMPETENCIES

AWS	Compute: EC2, ECS, EKS, Lambda, Auto Scaling • Storage: S3, EFS, EBS • Network: VPC, Route53, ALB/NLB, CloudFront • IAM, CloudFormation, CloudWatch, SQS, SNS, RDS, Secrets Manager
Azure	AKS, Virtual Machines, Azure DevOps, ARM Templates, Azure Functions, Blob Storage, App Service, Entra ID, Virtual Network, Azure Monitor, Key Vault
GCP	GKE, Compute Engine, Cloud Run, Cloud Functions, Cloud Storage, Cloud Build, VPC, Cloud Monitoring, Artifact Registry • Cloudflare, Vercel
Kubernetes	Production K8s: Deployments, StatefulSets, DaemonSets, Ingress, RBAC, Network Policies, HPA, PV/PVC • Helm, Kustomize, ArgoCD, Flux, Rancher, Lens
Service Mesh	Istio, Linkerd, Envoy • mTLS, traffic shaping, canary deployments, circuit breaking, service discovery, distributed tracing
IaC	Terraform: Modules, workspaces, remote state (S3/Azure), drift detection, plan/apply pipelines • Ansible: Playbooks, roles, dynamic inventory, vault
CI/CD & GitOps	GitHub Actions, GitLab CI, Jenkins • ArgoCD, Flux CD • GitOps workflows, pipeline-as-code, progressive delivery, blue/green, canary deployments
Containers	Docker: Multi-stage builds, BuildKit, Compose, image optimization, private registries • Podman, Buildah, container security scanning
Observability	Prometheus, Grafana, Datadog, ELK Stack, Loki, Jaeger, OpenTelemetry, Splunk, PagerDuty • SLO/SLI/SLA definition, alerting, incident response
Secrets & Security	HashiCorp Vault, AWS Secrets Manager, Azure Key Vault • Trivy, Snyk, OPA/Gatekeeper, Falco, SonarQube, SAST/DAST, policy-as-code
Networking	Nginx, Traefik, HAProxy, Envoy, Kong • VPN (WireGuard, OpenVPN), DNS management, CDN, SSL/TLS, load balancing, zero-trust networking
Scripting	Python: API integrations, custom operators, automation frameworks, CLI tools • Go: Kubernetes controllers, microservices • Advanced Bash & PowerShell
AI/Automation	LangChain, OpenAI API, Claude API, LLM integration, AI-powered automation, agent frameworks, RAG systems, prompt engineering
Databases	PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch • Replication, automated backups, HA setup, connection pooling, performance tuning
OS & Virt	Linux (Ubuntu, Alpine, RHEL), Windows Server, WSL • Proxmox, VMware, KVM/QEMU, Hyper-V
Collaboration	Git, GitHub, GitLab, Jira, Slack, Confluence • Code review, ADRs, runbooks, on-call, incident management, cross-team enablement

PROFESSIONAL EXPERIENCE

Cloud Infrastructure Engineer @ TovTech

2 Years

- Designed and operated multi-cloud infrastructure (AWS/Azure) with Terraform modules, remote state, and automated drift detection
- Built and maintained production Kubernetes clusters with ArgoCD GitOps, Helm charts, RBAC, network policies, and HPA auto-scaling
- Engineered CI/CD pipelines (GitHub Actions) with lint → test → build → scan → deploy stages, achieving zero-downtime deployments
- Deployed full observability stack (Prometheus, Grafana, ELK, Jaeger) with SLO/SLI dashboards and PagerDuty alerting; achieved 99.9% uptime
- Implemented secrets management with HashiCorp Vault and AWS Secrets Manager, automated rotation policies, zero hardcoded credentials
- Reduced infrastructure provisioning time by 80% through Ansible automation and Docker image optimization (60% size reduction)

CLOUD INFRASTRUCTURE PROJECTS

Multi-Cloud IaC Platform Terraform • AWS • Azure • GCP • Ansible Modular Terraform across 3 clouds with remote state, drift detection, automated plan/apply pipelines, environment parity	Production K8s Platform Kubernetes • Helm • ArgoCD • Istio Enterprise K8s: service mesh, GitOps CD, RBAC, HPA, network policies, canary deployments, multi-cluster management	GitOps Delivery Pipeline ArgoCD • Flux • GitHub Actions • Helm Full GitOps workflow: declarative deployments, automated rollbacks, progressive delivery, drift reconciliation
Observability Stack Prometheus • Grafana • ELK • OpenTelemetry Full-stack observability: metrics, logs, distributed traces, SLO dashboards, PagerDuty alerting, 40+ integrations	Secrets Management Platform Vault • AWS Secrets Manager • Azure Key Vault Multi-cloud secrets lifecycle: dynamic secrets, auto-rotation, K8s integration, zero hardcoded credentials policy	Container Security Pipeline Trivy • Snyk • OPA • Falco Shift-left security: image scanning in CI, runtime threat detection, policy-as-code enforcement, compliance reporting
AI-Powered Cloud Automation Python • LangChain • OpenAI • Go LLM-driven infra automation: intelligent log analysis, anomaly detection, auto-remediation, infrastructure Q&A agent	Self-Hosted Platform Docker • Traefik • Nginx • SSL Dockerized service platform: reverse proxy, auto SSL, Cloudflare CDN, DNS management, health checks, monitoring	Backup & DR System Restic • AWS S3 • PostgreSQL • PowerShell Multi-tier disaster recovery: encrypted cloud backups, DB snapshots, VM images, automated restore testing, RTO/RPO compliance
Network Automation Suite Terraform • VPC • CloudFront • Route53 Full network-as-code: VPC design, subnets, security groups, DNS zones, CDN config, WAF rules, VPN tunnels	TovPlay Cloud Platform Flask • Docker • PostgreSQL • CI/CD Production gaming backend: cloud deployment, auto-scaling, JWT auth, Discord OAuth, WebSocket, full pipeline automation	Proxmox Private Cloud Proxmox • KVM • Terraform • Ansible On-prem private cloud: VM templates, automated provisioning, HA clustering, storage pools, hybrid cloud bridge
Cost Optimization Engine Python • AWS Cost Explorer • Grafana Cloud cost analysis: resource right-sizing recommendations, idle resource detection, spot instance automation, budget alerts	Patch & Compliance System Ansible • AWS SSM • PowerShell Fleet patch management across cloud/on-prem: automated OS updates, compliance reporting, rollback, maintenance windows	Shell & API Automation Python • Bash • PowerShell • Go 100+ production automation scripts: cloud API integrations, deployment helpers, health checks, incident response runbooks
StartupMaster Windows Tool C# • .NET 8.0 • WPF Production system admin app: boot impact analysis, startup optimization, service management, system tray integration	Windows Repair Suite PowerShell • DISM • WMI Automated OS repair toolkit: Win11Reset/Repair, PrebootRepair, system diagnostics, recovery automation	AndroidMonitor System C# • ADB • Real-time Monitoring Cross-platform device fleet monitoring via USB: health checks, storage analysis, automated state tracking, logging

EDUCATION & CERTIFICATIONS

Data Analysis & Cloud Infrastructure Program

TovTech (1 Year) • Cloud architecture, automation, infrastructure engineering

Engineering Preparatory Year

Ariel University • Physics, Mathematics, Technical English

Self-Directed Cloud Certifications

AWS Solutions Architect preparation • CKA (Certified Kubernetes Administrator) preparation • HashiCorp Terraform Associate