



# 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

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

## PROFESSIONAL EXPERIENCE

<b>Cloud Infrastructure Engineer @ TovTech</b>	2 Years
<ul style="list-style-type: none"><li>Designed and operated multi-cloud infrastructure (AWS/Azure) with Terraform modules, remote state, and automated drift detection</li><li>Built and maintained production Kubernetes clusters with ArgoCD GitOps, Helm charts, RBAC, network policies, and HPA auto-scaling</li><li>Engineered CI/CD pipelines (GitHub Actions) with lint → test → build → scan → deploy stages, achieving zero-downtime deployments</li><li>Deployed full observability stack (Prometheus, Grafana, ELK, Jaeger) with SLO/SLI dashboards and PagerDuty alerting; achieved 99.9% uptime</li><li>Implemented secrets management with HashiCorp Vault and AWS Secrets Manager, automated rotation policies, zero hardcoded credentials</li><li>Reduced infrastructure provisioning time by 80% through Ansible automation and Docker image optimization (60% size reduction)</li></ul>	

## CLOUD INFRASTRUCTURE PROJECTS

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

## EDUCATION & CERTIFICATIONS

<b>Data Analysis &amp; Cloud Infrastructure Program</b> TovTech (1 Year) • Cloud architecture, automation, infrastructure engineering
<b>Engineering Preparatory Year</b> Ariel University • Physics, Mathematics, Technical English
<b>Self-Directed Cloud Certifications</b> AWS Solutions Architect preparation • CKA (Certified Kubernetes Administrator) preparation • HashiCorp Terraform Associate