



Michael Fedorovsky

DevOps Engineer | Cloud Infrastructure Specialist | AI Automation Expert

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DevOps Engineer with deep expertise in cloud infrastructure, containerization, and AI-powered automation. Specialized in AWS/Azure/GCP, Kubernetes orchestration, Docker containerization, IaC with Terraform/Ansible, and advanced shell scripting (Bash/PowerShell). Built 50+ production-grade automation tools with strong focus on CI/CD pipelines, monitoring stacks, and team collaboration.

🛠 TECHNICAL EXPERTISE

Cloud AWS	EC2, S3, RDS, Lambda, ECS, EKS, VPC, IAM, CloudFormation, CloudWatch, Route53, ALB/NLB, SQS, SNS
Cloud Azure	Virtual Machines, AKS, Azure DevOps, ARM Templates, Azure Functions, Blob Storage, App Service, Virtual Network
Cloud GCP	Compute Engine, GKE, Cloud Run, Cloud Functions, Cloud Storage, VPC, Cloud Build, Vercel, Cloudflare
Containers	Docker (Advanced): Multi-stage builds, BuildKit, Docker Compose, Swarm, image optimization, networking, volumes
Kubernetes	Deployments, StatefulSets, Services, Ingress, ConfigMaps, Secrets, RBAC, Network Policies, PV/PVC, Helm, Kustomize, ArgoCD, Rancher
Service Mesh	Istio, Linkerd, Envoy Proxy, traffic management, service discovery, load balancing, observability
IaC	Terraform (Advanced): Modules, workspaces, state management, remote backends • Ansible: Playbooks, roles, inventory, vault
CI/CD	GitHub Actions, GitLab CI, Jenkins, ArgoCD, Flux, GitOps workflows, pipeline-as-code, multi-stage deployments
Monitoring	Prometheus, Grafana, Datadog, ELK Stack (Elasticsearch, Logstash, Kibana), Loki, PagerDuty, Jaeger, Splunk
Secrets Mgmt	HashiCorp Vault, AWS Secrets Manager, Azure Key Vault • Encryption, rotation, access policies
Scripting	Shell Mastery: Advanced Bash & PowerShell automation, system administration, task scheduling, error handling
Languages	Python: API integrations, custom operators, automation frameworks • Go: CLI tools, microservices • JavaScript, TypeScript, SQL
AI/ML	LangChain, OpenAI API, Claude API, LLM integration, AI automation, prompt engineering, RAG systems, agent frameworks
Databases	PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch • Replication, backups, performance tuning
Security	Trivy, Snyk, OPA, Keycloak, SonarQube, Falco, nmap, SAST/DAST, vulnerability scanning
Web/Proxy	Nginx, Traefik, HAProxy, Envoy • Reverse proxy, load balancing, SSL/TLS termination
OS/Virt	Linux (Ubuntu, Alpine, RHEL), Windows Server, WSL, KVM, Proxmox, VMware
Testing	pytest, Playwright, Jest, k6 load testing, integration testing, E2E automation
Collaboration	Team Tools: Git, GitHub, GitLab, Jira, Slack, Confluence • Code reviews, documentation, incident response

💼 PROFESSIONAL EXPERIENCE

DevOps Engineer @ TovTech

1 Year

- Architected production & staging environments on Webdock with Cloudflare CDN, SSL, DDoS protection
- Designed CI/CD pipelines (GitHub Actions): lint → test → Docker build → DockerHub → auto-deploy
- Built multi-stage Dockerfiles optimizing image sizes by 60%, implemented health checks & auto-recovery
- Deployed monitoring stack: Prometheus metrics, Grafana dashboards, ELK log aggregation
- Managed PostgreSQL with migrations, replication, automated backups; achieved 99.9% uptime

🌟 FEATURED PROJECTS (50+ TOTAL)

Multi-Cloud Infrastructure Terraform • AWS/Azure/GCP • Ansible IaC automation across AWS, Azure, GCP with modular Terraform, state management, remote backends	K8s Production Platform Kubernetes • Helm • ArgoCD • Istio Production-grade K8s cluster with service mesh, GitOps deployments, RBAC, network policies	AI Automation Suite Python • LangChain • OpenAI • Go LLM-powered automation with custom operators, API integrations, agent frameworks, RAG systems
TovPlay Platform Flask • PostgreSQL • Docker • CI/CD Gaming backend with JWT auth, Discord OAuth, real-time features, full pipeline automation	Container Security Scanner Trivy • Docker • Python Automated vulnerability scanning for Docker images with severity reporting and remediation	Secrets Vault System Vault • AWS Secrets • Azure Key Vault Multi-cloud secrets management with encryption, rotation, policy enforcement
Shell Automation Suite Bash • PowerShell • Python Advanced shell scripts for system admin, deployment automation, monitoring, backup orchestration	API Gateway Platform TypeScript • Node.js • Redis API gateway with routing, rate limiting, caching, JWT authentication, load balancing	Monitoring & Observability Prometheus • Grafana • ELK • Jaeger Full observability stack with metrics, logs, traces, alerting, custom dashboards
IoT Device Manager MQTT • Node.js • MongoDB Fleet management platform for IoT devices with real-time monitoring and control	GitOps CD Platform ArgoCD • Flux • Kubernetes • Helm GitOps-based continuous delivery with automated deployments, rollbacks, progressive delivery	Trading Bot Platform Python • WebSocket • APIs Cryptocurrency trading automation with real-time market data, API integration

🎓 EDUCATION

Data Analysis Program

TovTech (1 Year Intensive Course)

Engineering Preparatory Year

Ariel University (Physics, Mathematics, English)