



# Michael Fedorovsky

DevOps Engineer | Cloud Infrastructure Specialist | AI Automation Expert

📍 Bat Yam, Israel • 📞 054-763-2418 • ✉️ michaelovsky5@gmail.com • LinkedIn • GitHub (50+ repos)

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	<b>Docker (Advanced):</b> 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	<b>Terraform (Advanced):</b> Modules, workspaces, state management, remote backends • <b>Ansible:</b> 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	<b>HashiCorp Vault, AWS Secrets Manager, Azure Key Vault</b> • Encryption, rotation, access policies
Scripting	<b>Shell Mastery:</b> Advanced Bash & PowerShell automation, system administration, task scheduling, error handling
Languages	<b>Python:</b> API integrations, custom operators, automation frameworks • <b>Go:</b> 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	<b>Team Tools:</b> 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)

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