

Mikhail Sokolov

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Profile

Self-taught and certified DevOps Engineer with a strong practical foundation in CI/CD, cloud infrastructure, container orchestration, and automation. Proven ability to learn independently, build full DevOps pipelines from scratch, and manage deployments across various platforms. Actively seeking a junior-to-mid-level DevOps or SRE position to contribute to real-world projects and grow within a technical team.

Skills & Tools

CI/CD & Automation: Jenkins (declarative pipelines, scripted stages, Groovy), GitHub Actions, GitLab CI, Ansible (roles, dynamic inventory, Jenkins integration), Terraform (modular infrastructure, remote state), Bash scripting, Python scripting, Helm, Helmfile

Containers & Orchestration: Docker, Docker Compose, Kubernetes (Minikube, k3s, AWS EKS, LKE), StatefulSets, ConfigMaps, Secrets, Helm Charts (custom), Helmfile

Cloud Platforms & DevOps Tools: AWS (EC2, S3, IAM, EKS, Fargate, CLI), DigitalOcean, Linode, eksctl, AWS CLI, kubectl, DockerHub, AWS ECR, private registries (Nexus)

Monitoring & Observability: Prometheus (stack, exporters, alerting), Grafana (custom dashboards), Elastic Stack (ELK), Alertmanager

Programming & Scripting: Python (AWS automation, monitoring, CLI tools), Bash, Groovy (Jenkins pipelines), YAML, JSON

Version Control & Collaboration: Git, GitHub, GitLab, branching strategies, version tagging

Other Tools & Technologies: Nginx, MySQL, PostgreSQL, Redis, VirtualBox, Vagrant, KVM, Seldon, MLflow, JupyterLab

Practical DevOps Projects (2023–2024)

- Kubernetes-based Microservices Deployment

Deployed microservice-based applications in a local and AWS EKS Kubernetes cluster using best practices for production-grade security, scalability, and monitoring. Used Helm and Helmfile to package and deploy multiple services; created custom Helm Charts; implemented CI/CD pipelines to deploy to Kubernetes from Jenkins; integrated MongoDB, Mongo Express, and Mosquitto using ConfigMaps, Secrets, and StatefulSets.

- Infrastructure Automation with Terraform and Ansible

Provisioned cloud infrastructure on AWS using modularized Terraform projects with shared remote state and EKS cluster configuration. Automated EC2, EKS, and networking resources. Integrated Ansible for application deployment, Docker setup, Kubernetes provisioning. Structured playbooks with roles and dynamic inventory. Linked Ansible to Jenkins for automated deployments.

- Full CI/CD Pipelines with Jenkins and Docker

Built complete CI/CD pipelines using Jenkins for deploying Node.js and Python applications to AWS EC2, Kubernetes (EKS, LKE), and Docker Compose environments. Implemented dynamic versioning and Docker image push to private registries (Nexus, DockerHub). Automated infrastructure provisioning, app build, test, and delivery stages.

- Monitoring and Observability with Prometheus & Grafana

Configured full-stack monitoring for containerized applications in Kubernetes. Installed Prometheus stack with Alertmanager and Grafana dashboards. Set up alerts and metrics collection for both internal and third-party services.

- AWS DevOps Automations (with Python & CLI)

Automated AWS operations using Python scripts and AWS CLI tools. Automated EC2 configuration, health checks, and backups. Managed EKS cluster visibility and recovery. Created website monitoring and recovery scripts. Deployed infrastructure and apps using CLI-based workflows.

Freelance Work (March 2023 – Present)

Independent study and experimentation with DevOps tools. Participated in small personal and community projects. Practiced deployments, CI/CD pipelines, monitoring and cloud automation.

Certifications

Certified DevOps Practitioner – <https://www.credly.com/badges/0836ada6-1374-46a2-b5c0-3d86f3a8a9dd>

AWS Certified Cloud Practitioner – <https://www.credly.com/badges/ef622dbf-3f2c-4f31-b47d-b7dd5450c4a1>

LPIC-1 Certified Linux Administrator – <https://cs.lpi.org/cafi/Xamman/certification/verify/LPI000577488/mcr2frwhcr>

Education

St. Clement of Ohrid High School — Varna, Bulgaria (Secondary School Certificate, 2016)

Languages

Russian (native), English (fluent), Bulgarian (fluent)