

# Maksym Shaposhnikov

## Senior DevOps & Data Engineer | AI-Driven Infrastructure Specialist

📍 Kyiv, Ukraine | 🗣 English: B2+ | 📅 Available upon request  
✉ Telegram | GitHub | LinkedIn

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### 📄 Professional Summary

**Innovative DevOps leader with 20+ years of experience** transforming infrastructure through cloud automation, AI integration, and data-driven solutions. Proven track record of **reducing operational costs by 20%+** and **deployment times by 40%** through intelligent automation and cutting-edge AI implementations.

**Core Expertise:** Python-driven automation • Multi-cloud architecture • AI/ML pipeline integration • Cost optimization • High-availability systems

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### 📄 Professional Experience

#### SoftServe — Senior DevOps Engineer

*January 2023 – Present*

📄 **AI-Powered Infrastructure Innovation - Revolutionized cost management** with automated resource hibernation system featuring intelligent scheduling and state management, delivering **significant cost reductions** on idle infrastructure - **Pioneered AI-assisted DevOps workflows** using custom OpenAI + LangChain agents for infrastructure validation, documentation generation, and incident troubleshooting - **Accelerated CI/CD transformation** by migrating GitLab → GitHub Actions with custom AI agent, achieving **40% faster deployments** and eliminating manual overhead

📄 **Data & Monitoring Excellence - Enhanced incident response by 35%** through AI-assisted Grafana/Prometheus dashboards with intelligent anomaly correlation - **Architected secure API validation framework** for HR processes, ensuring consistent verification across large-scale user datasets - **Optimized multi-cloud operations** (Azure + AWS) using Terraform & Ansible, supported by AI-driven cost analysis

📄 **Technology Stack:** Python (Pandas, SQLAlchemy, Jinja2), Terraform, AWS (EC2, RDS, Cost Explorer), Azure, GitLab CI, Jenkins, Tekton, Databricks, Airflow, Snowflake, Pytest

#### Zoolatec — Senior DevOps Engineer

*December 2020 – January 2023*

📄 **Cloud & Data Pipeline Mastery - Scaled data operations** through AWS EMR clusters, Glue, and sophisticated IAM management - **Streamlined team deployments** with multi-account Terragrunt infrastructure setup - **Implemented GitOps excellence** using Kubernetes, Helm, and ArgoCD for seamless workload management - **Eliminated manual processes** by automating infrastructure imports from ClickOps to Infrastructure as Code - **Boosted system reliability** with comprehensive Prometheus/Grafana monitoring and ELK logging stack

#### Grid Dynamics — Senior DevOps Engineer

*December 2017 – December 2020*

## Enterprise-scale infrastructure management and cloud migration leadership

### EPAM Systems — Senior DevOps Engineer

February 2014 – April 2017

#### Foundation-building in DevOps practices and automation frameworks

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## ▣ Technical Expertise

### Cloud & Infrastructure

- **Platforms:** AWS (EC2, S3, RDS, IAM, EMR, Glue), Azure (Compute, PostgreSQL)
- **IaC & Automation:** Terraform, Terragrunt, Ansible, Python scripting, Bash
- **Containerization:** Docker, Kubernetes, Helm, ArgoCD, Harbor

### DevOps & CI/CD

- **Pipelines:** GitLab CI/CD, GitHub Actions, Jenkins, Tekton
- **Practices:** GitOps, Agile methodologies, Secure CI/CD, Blue-Green deployments
- **Monitoring:** Prometheus, Alertmanager, Grafana, ELK Stack, Dynatrace, Trivy

### Data & AI

- **Data Engineering:** Databricks, Airflow, Snowflake, ETL pipeline design
  - **AI/ML Integration:** OpenAI APIs, LangChain, Custom AI agents, Automated analysis
  - **Programming:** Python (Pandas, Requests, SQLAlchemy, Jinja2), SQL, Data analysis
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## ▣ Key Achievements

- **▣ Cost Optimization:** Reduced operational expenses by up to 20% through AI-driven resource management
  - **▣ Performance:** Cut deployment time by 40% with intelligent CI/CD automation
  - **▣ Reliability:** Improved incident response time by 35% using AI-assisted monitoring
  - **▣ Process Innovation:** Transformed manual infrastructure operations into fully automated IaC workflows
  - **▣ AI Leadership:** First-to-market implementation of AI agents in DevOps workflows at enterprise scale
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## ▣ Personal Interests & Technical Hobbies

▣ **Electronics & RF Engineering** - **Licensed Radio Amateur** with expertise in RF experimentation and digital communications - **Microcontroller Development:** ESP32, Arduino programming for IoT and RF/LoRa projects - **Smart Home Innovation:** Custom automation systems using Home Assistant and self-developed integrations

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*Ready to transform your infrastructure with next-generation DevOps practices and AI-driven automation.*