

Siarhei Kirakasian

Georgia, Batumi • +995551319163 • sergey_kirakosyan@icloud.com •
linkedin.com/in/sergey-kirakosyan-6307a4124 • www.mydigi.click

DevOps Engineer/Systems Engineer

Experienced IT professional with 10+ years in the field, including 3+ years specializing in deployment automation. Expertise in AWS, virtualization, containerization, and container orchestration. Skilled in Infrastructure as Code (IaC), secure development, logging, monitoring, and automation, with a strong focus on creating clear documentation and exploring AI-driven solutions for enhanced efficiency.

Equally effective as a team player or independent system engineer, excelling at collaborating with developers, operations teams, architects, and customers to optimize workflows and implement secure SDLC solutions. Dedicated to driving efficiency, innovation, and the exploration of AI applications within IT environments.

WORK EXPERIENCE

EPAM Systems • Batumi, Georgia • 10/2021 – Present

DevOps Engineer/Systems Engineer

- Architected AWS infrastructure to facilitate the migration of project pipelines to EC2-based GitLab runners, implementing a self-cleaning solution for Docker volumes in EBS storage on a monthly basis.
- Enhanced security by integrating an OpenID Connect solution across GitLab and AWS Cloud, effectively eliminating the need for manual AWS credential rotation.
- Optimized CI/CD processes by rewriting stages and refining compatibility between Node.js and AWS Amplify in GitLab CI configuration, resulting in a 170% reduction in build time.
- Developed Lambda functions using Python (Boto3) and created CloudFormation stacks via AWS CDK for mobile application deployment.
- Managed IAM roles and permissions, crafting policies and implementing automated key rotation for service users to meet team requirements.
- Reduced AWS service costs by 22% through strategic optimization, utilizing AWS Budgets and establishing an alert system via SNS and SES for key team members.
- Strengthened security posture by integrating DAST and SAST analyzers into the CI pipeline to identify vulnerabilities.
- Engineered a full backup and upgrade solution for a 3-node Dockerized Elasticsearch cluster in staging and production environments using Ansible, ensuring zero data loss.
- Developed and implemented in the short term a comprehensive fix for product images and VMware VCD templates following the end-of-life (EOL) of CentOS 7 and a legacy product deployment crash, ensuring restoration of product functionality through effective scripting solutions.

- Automated the version checking and refreshing of all project Terraform modules through API requests, maintaining an up-to-date Markdown documentation table.
- Authored Terraform scripts for creating and updating infrastructure, enhancing deployment efficiency.
- Implemented a multi-AZ ECS cluster with ECR using Terraform, creating custom images through multistage builds, which increased application stability and high availability by 23%.
- Designed a modern architecture and migration plan to replace OpenShift OKD 3.11 with OpenShift OKD 4.15, introducing enhanced functionality and addressing the deprecation of previously utilized solutions.
- Provided full support for Private Cloud MDM, deploying OpenShift clusters, debugging complex microservices (Postgres, MongoDB, Kafka, Zookeeper, ActiveMQ, Elasticsearch, Kibana, FluentD, CoreDNS, JVM, Redis) on RHEL8 and CentOS7.
- Supporting Java application development for travelers (web, Android, IOS)

www.po4inim.by • 01/2015 – 12/2021

IT Specialist – Entrepreneur

- Full IT Support for small companies and householders. Creating and administrating networks, DB, AD, updating software, firmware, hardware upgrades, and repair.

EDUCATION

Specialist degree in Aviation Engineering

Military Academy • Belarus

CERTIFICATIONS

Solution Architect – Associate • 08/2022 – 08/2025

AWS

Certified Kubernetes Administrator • 04/2024 – 04/2027

Linux Foundation

Terraform Associate • 10/2024 – 10/2026

Hashicorp

SKILLS

Tools and Technologies: Agile, AI Technologies, Ansible, Artifactory, AWS, Bash, Cloudwatch, Container Orchestration, DevOps, Docker, DynamoDB, EC2, ECS, EKS, Elasticsearch, Elastic Stack (ELK), Git, GitHub Action, Gitlab CI/CD, Grafana, Infrastructure as Code (IaC), Jenkins, Kafka, Kubernetes, Lambda, Linux Server, Mongo DB, Networking, Nexus, Postgres DB, Powershell, Prometheus, Python, Redis DB, Soft Skills, SonarQube, System Administration, Terraform, Terragrunt, Virtualization, VMWare VCD, VMWare VSphere, Zookeeper

Languages: English – B2, Polish – B1+, Russian – native