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## Maksym Shaposhnikov

**Results-Driven Experienced Devops Engineer with strong Python background | Software developer |AWS | Ansible | Terraform | Docker | Kubernetes | Helm | ArgoCD**

- Telegram
- Github
- Linkedin
- English level B2+
- Location Kiev/Ukraine

### RESUME SUMMARY

Experienced DevOps Engineer with Strong Python Expertise, specializing in building scalable, resilient AWS-based cloud infrastructure. Proficient in automation, CI/CD, and container orchestration to optimize delivery pipelines and system performance.

Core Skills:

- Cloud Infrastructure: AWS (EC2, S3, IAM, RDS)
- Automation Tools: Ansible, Terraform, Terragrunt
- CI/CD Pipelines: GitLab CI/CD, Jenkins, Argo CD
- Containerization & Orchestration: Docker, Kubernetes
- Monitoring & Logging: Prometheus/Grafana,Dynatrace, ELK Stack
- Scripting: Python, Bash

Achievements:

- Automated EC2 and RDS hibernation scheduling, enabling shutdown during off-hours and startup during business hours or events, reducing infrastructure costs by 50%.
- Extended the solution to Azure Compute Instances and PostgreSQL databases, achieving similar cost savings
- Streamlined CI/CD pipelines, cutting release times by 30%.
- Automated infrastructure provisioning with Terraform, improving scalability and consistency.

### WORK Experience

**Softserve - Senior Data/Devops Engineer**

**Jan,2023 - now**

- Development and implementation of automated solutions for monitoring and managing costs in AWS and Azure using Python and Terraform. Creating custom reports for Cloudability and automating cost reporting.
- Configuring and maintaining CI/CD pipelines in GitLab and Jenkins, including integration with Mailgun for failure notifications. Developing and testing integrations using Pytest and GitLab API. Working with Tekton to create pipelines in Kubernetes.

- Working with large datasets for data analysis and transformation in Azure and Databricks. Automating ETL processes using Airflow. Data management in Snowflake and optimizing storage and processing processes.

## **Zoolatec - Senior Devops Engineer**

**Dec,2020 - Jan,2023**

- EMR (Elastic Map Reduce ) AWS based clusters,EMR servers templates, EMR studio deployment and Support, DataLake, Glue Databases and Tables, IAM roles, permissions and access
- Terragrunt multiaccount , multi teams architecture, deployment and development
- Kubernetes: Proficient in managing Kubernetes clusters, deploying and scaling applications, configuring networking, and troubleshooting issues.
- Helm: Skilled in utilizing Helm charts for packaging and deploying applications in Kubernetes, managing dependencies, and ensuring reproducibility.
- ArgoCD: Experienced in implementing ArgoCD for GitOps-based continuous deployment, automating application deployment and monitoring synchronization.
- GitOps: Proficient in applying GitOps principles to maintain infrastructure and application configurations as code, enabling automated deployments and version control.
- Continuous Integration/Continuous Deployment (CI/CD): Implementing and optimizing modern CI/CD pipelines to automate build, test, and deployment processes, ensuring rapid and reliable software releases based on Github Actions. Infrastructure as Code (IaC): Creating infrastructure utilizing tools like Terragrunt/Terraform or Ansible to provision and manage infrastructure resources, enabling reproducibility and scalability. Importing Clickops based infrastructure to Terraform
- Scripting and Automation: Proficient in scripting languages (e.g., Bash, Python) and automation tools to streamline repetitive tasks, improve efficiency, and enhance system reliability.
- Monitoring and Logging: Experience with monitoring tools (e.g., Prometheus, Grafana) and log aggregation platforms (e.g., ELK Stack) to proactively monitor system health, identify performance bottlenecks, and troubleshoot issues.

## **Grid Dynamics - Senior Devops Engineer    Dec,2017 - Dec,2020**

- Designed and managed the cloud infrastructure on AWS for PROD&&DEV environments.
- Developed scripts using Bash and Python to automate infrastructure deployments and configuration management.
- Implemented monitoring and logging systems to provide visibility to the infrastructure and applications.

## **EPAM Systems - Senior Devops Engineer    Feb 2014 - Apr 2017**

- Design and develop continuous deployment pipeline, integrating Test-Kitchen, Docker, Git, Jenkins and Ansible across geographically separated hosting zones in AWS.
- Performed new Ansible automation to replace old-bash-style scripting tools to provide Continuous integration / Continuous delivery of results working of Development team.
- Performed custom Docker integration solution to run test suites (functional, unit, web, integration tests) - running tests in docker-compose created environment with hybris image and wide range of MySQL database versions.
- Developed fully completed CI/CD solution (Jenkins/Docker/Ansible based) from scratch to build and deploy artifacts starting from git pull and ending to checking Hybris startup logs and email notification to dev team members.
- Developed many fully customized Ansible playbooks for maintenance next application on customer cloud - Apache Solr Cluster, SMTP server Postfix.
- Also, created and maintained everyday ansible automation and special automated branch to GoLive production environments.

- Collect the new technologies and tools and introduced them to the client; in which way it helped the company build up an agile development environment - it improved the product quantity and the work efficiency.
- Developed automation and deployment utilities using Bash and Ansible.
- Designed and developed automated deployment and scaling processes based on Docker and Ansible for a wide range of server types and application tiers, including Elasticsearch, Tomcat, Varnish and SOLR Clusters.
- Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions.
- Created automation and deployment templates for relational databases (standalone and RDS).
- Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions (Zabbix && Ansible).

Hobbies:

- Licensed Radio Amateur – actively exploring radio communication technologies.
- Microcontroller Programming – developing embedded solutions for hardware projects.
- Smart Home Development – creating custom software to automate and enhance smart home systems.