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ABOUT ME

DevOps Lead | Cloud Architect

Seasoned and results-driven Cloud Architect | DevOps Lead with a hands-on approach to transforming DevOps-driven processes. Leveraging a blend of technical expertise and leadership skills, I thrive on optimizing workflows, fostering collaboration, and implementing cutting-edge technologies to drive delivery efficiency and innovation.

Main Toolset, Clouds and Methodologies I operate with:

- Methodologies: DevOps, Agile Family, OKR
- Cloud Platforms: AWS, Azure, Alibaba Cloud
- Containerization, Orchestration & Mesh: Docker, Kubernetes, KubeVirt, Istio
- Build tools and CI/CD²: Jenkins, ArgoCD, Github Actions, Azure DevOps
- Infrastructure as Code (IaC): Terraform, Pulumi (Go)
- Configuration Management: Ansible, Packer
- Monitoring and Logging: Datadog, Prometheus, ELK Stack
- Programming & Scripting: Go, Python, Nix, Bash

WORK EXPERIENCE

Cloud Architect

C.T.Co Ltd [Sep 2023 – May 2024]

City: Tbilisi | **Country:** Georgia | **Website:** <https://ctco.lv> | **Business or sector:** Information and communication

Achievements

- ADRs: • Cloudflare: Migration strategy for obsolete resources • Remote Docker Engines
- ADs: • CI/CD for Mission Critical Service • CI/CD for Mandatory Software Installations
- CI/CD: Mission Critical Service: converted semi-manual setup and deployment of critical production service to a fully automated pipeline that shrunk deployment time twice
- CI/CD: Mandatory Software Installations: refactored internal logic that installed mandatory software across all client accounts and their instances that resulted in up to 10 times faster execution

Main activities and responsibilities

- Designing and implementing Cloud Solutions for an Organization(s) based on well-known Cloud Adoption Frameworks
- Creating Architecture Decision Records (ADRs) and Architecture Designs (ADs) with their subsequent implementation
- Migration of deprecated and/or obsolete resources and services to a modern standards

Stack

- Alibaba Cloud • Azure DevOps • Terraform • Pulumi (Go) • Jsonnet • Cloudflare • Packer

Lead DevOps Software Engineer

Exadel Inc. [Oct 2021 – Sep 2023]

City: Tbilisi | Country: Georgia | Website: <https://exadel.com> | Business or sector: Information and communication

Achievements

- Implemented a unified deployment process for client services using ArgoCD, resulting in a significant reduction in deployment time from hours/days to approximately 7 minutes
- Established a unified provisioning process managed by Terraform for deploying a fully scalable infrastructure with Kubernetes at its core, leading to a substantial decrease in provisioning time from days/weeks to approximately 20 minutes
- Achieved a cost reduction of more than 35% compared to legacy infrastructure

Main activities and responsibilities

- Team of 4 • Dealing with Production incidents • Production Deployments
- Re-designing old and implementing modern CI/CD cycle
- Planning & implementing new Azure-based Cloud Architecture

Stack

- Azure • AWS • Kubernetes • Terraform • Github • ArgoCD • Jenkins • Datadog • OKTA

Skills Acquired

- Clouds:
 - Mastering AWS services: Cognito, Amplify, DynamoDB, CloudFront
 - Deep dive into Azure Cloud Service; Terraform for Azure
- CI/CD:
 - Github: Org, teams, initial Actions pipelines creation and management
 - Jenkins: created libraries, performed migration to declarative common template, instances unification, K8s agents enablement
 - ArgoCD: Switching CD to ArgoCD with App of Apps/ApplicationSet, setting up notifications
- Orchestration:
 - Rancher: clusters management, Rancher apps creation
 - K8s: Azure K8s: PoCs on MongoDB operator, ArgoCD: setup and management
- Monitoring: Datadog - setup of SSO, Custom Metrics, Monitors and Dashboards
- Storage and backups:
 - Rook storage
 - Velero – backup system setup and management for k8s clusters and its resources
- Networks: Wireguard VPN

Delivery Manager / DevOps Manager

Kyriba Engineering, LLC [May 2019 – Apr 2021]

City: Minsk | Country: Belarus | Website: <https://kyriba.com> | Business or sector: Information and communication

Achievements

- Implemented "Management Trinity" approach, fostering a culture of trust and predictability
- Streamlined team operations by reducing the number of Jira projects from 6 to just 2
- Introduced a rotation system for team members between project work and maintenance, effectively mitigating fatigue
- Transitioned from Kanban to Scrum, finally ScrumBan, showcasing optimal results in terms of a reliable delivery cycle
- Implemented Trunk Based Development and instituted proper Semantic versioning across all infrastructure team repositories, ensuring an always up-to-date state
- Replaced an overused shared Jenkins Instance with scalable, isolated Jenkins instances per-product team on a Kubernetes platform, eliminating contention for Jenkins queue and significantly enhancing workload stability

Main activities and responsibilities

- Team of 6 - Delivery Manager for Infrastructure Development Team
- Management trinity activities • Resources • Budgets
- Building Roadmap, S.M.A.R.T - Team & Personal goals for the team members
- Standardizing priority list & building up Scrum/ScrumBan procedures for the Team
- AWS: Acquiring full control over Minsk resources: utilization, tech & cost-cut procedures
- Re-designing and implementing modern CI/CD cycle across all Minsk teams

Stack

- AWS • Kubernetes • Docker • Helm • Terraform • TBD • Jenkins • ArgoCD • Jfrog • Prometheus • Atlassian Family

Skills Acquired

- Ensuring DevOps practices are set for the Infrastructure Development Team
- Deep dive into SOA/Microservice Architectures as a part of Monolith re-design
- Deep dive into TBD/Semver best practices for CI/CD
- Moving CI/CD process to Kubernetes Premises
- Mastering Kubernetes eco-system: implementing best practices & problem solving
- Creating & maintaining Helm charts, Helmfile hands-on experience
- Creating Jenkins Pipelines: Scripted/Declarative JenkinsFiles with Libraries Support
- Mastering Monitoring principles: Prometheus/Grafana/AlertManager (kube-prometheus-stack)
- Hands on experience with Jira Software, Bitbucket, JFrog artifactory, ArgoCD

Team Lead DevOps -> Delivery Manager -> Director of Infrastructure Squad

Workfusion Inc. [Sep 2017 – Mar 2019]

City: Minsk | Country: Belarus | Website: <https://www.workfusion.com> | Business or sector: Information and communication

Achievements

- Launched the "One on Ones" initiative, fostering a culture of trust within the team
- Implemented Scrum ceremonies, enhancing the predictability of increment deliveries
- Expanded the team from 3 to a total of 12 members
- Created unique Infrastructure provisioning framework using AWS CloudFormation and Ansible, leveraging the Jinja2 templating engine. This framework led to the creation of a self-service Jenkins pipeline, enabling the automated deployment of various service combinations required by teams. The previously manual provisioning process now takes approximately 20 minutes
- Led the migration of the product installer to Ansible, resulting in a threefold increase in deployment speed
- Standardized end-to-end Jenkins pipeline, enabling the automatic deployment of the entire product in less than an hour

Main activities and responsibilities

- Team of 12 - Delivery Manager for Infrastructure Squad (Spotify Engineering Culture)
- Team Lead DevOps Engineer for Infrastructure Squad
- Expanding DevOps Methodology & Best Practices across the team of professionals
- AWS: Acquiring full control over company's resources, security audit and cost-cut procedures
- Re-designing and implementing full CI/CD cycle across all Tribes
- Prioritizing & overseeing Ansible-based Product Installer development process
- Reviewing Monitoring/Analysis Solutions for Product needs

Stack

- AWS • AWS Cloudformation • Docker • Ansible • Jinja2 • ELK • Mesos

Skills Acquired

- Agile & Spotify Engineering Culture, LeSS framework adopted
- Defining OKRs properly
- Dove into Service Oriented/Microservice Architectures

- Amazon Web Services (AWS) CloudFormation expert usage
- Internal Framework being built to cover Company's requirements and policies
- Jinja2 (Ansible driven) expert usage
- Creating Jenkins Pipelines: Scripted/Declarative JenkinsFiles
- Log Aggregation stack: ELK
- Understanding Machine Learning principles
- Setting up and usage of Mesos framework with Marathon

Linux DevOps -> Team Lead DevOps

Issoft / Coherent Solutions [Oct 2015 – Sep 2017]

City: Minsk | Country: Belarus | Website: <https://www.coherentsolutions.com> | Business or sector: Information and communication

Main activities and responsibilities

- Team of 3 - Implementing DevOps best practices across multiple projects with cutting-edge technologies
- Cost-cut procedures on Cloud provisioned infrastructures
- Developing various Training Programs for DevOps newcomers

Stack

- AWS • Docker • Ansible • Bitbucket • Git • Jenkins • Bamboo • ELK • Datadog • PagerDuty

Skills Acquired

- Amazon Web Services (AWS):
 - Code Commit / Build / Deploy / Pipeline family
 - VPC, EC2, ECS, ECR, BeanStalk, EBS, S3 CloudFormation
 - IAM, KMS, CloudWatch, Lambda RDS, DynamoDB, Redshift, EMR
- Docker, DockerFile, Docker Compose (dive into Swarm and HA Docker Registry)
- Early Kubernetes
- Ansible ("Jinja'fied") Configuration Management Tool
- Bitbucket, GIT/Github, Jenkins, AWS Code Pipeline, Bamboo
- Atlassian Family: Jira, Confluence
- ELK stack, Datadog, PagerDuty
- Experience with MongoDB, PostgreSQL
- Improved Python scripting
- Basic MS Azure Cloud usage

Systems Integrator

Belhard Group [Apr 2013 – Oct 2015]

City: Minsk | Country: Belarus | Website: <https://www.belhard.com> | Business or sector: Information and communication

Main activities and responsibilities

- Linux Infrastructure Administration

Skills Acquired

- Hypervisors • Clouds • Backups • Monitoring • Bash • Python

Linux System Administrator

HostForWeb Inc [Feb 2011 – Apr 2013]

City: Minsk | Country: Belarus | Website: <https://www.hostforweb.com> | Business or sector: Information and communication

Main activities and responsibilities

- Monitoring and Reaction specialist
- Tech Support

Skills Acquired

• Linux • VMs • Virtualization • Hosting Provider principles and technology

EDUCATION AND TRAINING

AWS Certified Solutions Architect – Professional

Amazon Web Services Training and Certification [9 May 2023 – 9 May 2026]

Website: <https://www.credly.com/badges/3a84cb2d-4f6a-4c64-8fb1-4065b823a321>

AWS Certified Solutions Architect – Associate

Amazon Web Services Training and Certification [Nov 2022 – Nov 2025]

Website: <https://www.credly.com/badges/3fd451b4-dd59-444d-8339-94f9d72de609>

Introduction to Microsoft Azure Cloud Services

Coursera [May 2022 – Current]

Website: <https://www.coursera.org/account/accomplishments/certificate/SMCVJK68GRU9>

DevOps Culture and Mindset

Coursera [Mar 2021 – Current]

Website: <https://www.coursera.org/verify/DVPZCXRCH94W>

Red Hat Certified System Administrator - RHCSA

Redhat Inc. [Aug 2014 – Aug 2017]

Website: <https://rhtapps.redhat.com/verify?certId=140-152-760>

Faculty of Mechanics and Mathematics

Belarusian State University [2009 – 2013]

City: Minsk | Country: Belarus

Faculty of Computational Mathematics and Cybernetics

Lomonosov Moscow State University [2006 – 2009]

City: Moscow | Country: Russia

LANGUAGE SKILLS

Mother tongue(s): Russian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Polish

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Italian

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

[Apr 2021 – Current]

Lucky Doge HQ <https://ldhq.io>

Personal Blog dedicated to IT Tech & Management topics

[2010 – 2016]

leshcatlabs.net <https://leshcatlabs.net>

Notebook oriented source with forums, blog roll, extensive manual and ticket support

Developer of modified video drivers for AMD & Intel powered laptops