



## Alexey Denisevich

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**Home:** Tbilisi (Georgia)

### 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, OKRs
- Cloud Platforms: AWS, Azure, Alibaba Cloud
- Containerization & Orchestration: Docker, Kubernetes
- Build tools and CI/CD<sup>2</sup>: Jenkins, ArgoCD, Github Actions, Azure DevOps
- Infrastructure as Code (IaC): Terraform
- Configuration Management: Ansible
- Monitoring and Logging: Datadog, Prometheus, ELK Stack
- Programming & Scripting: Python, 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

- ADR: Cloudflare: Migration strategy for obsolete resources • ADR: Remote Docker Engines
- AD: CI/CD for Mission Critical Service • AD: 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 • Jsonnet • Cloudflare

## 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

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### 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

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**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

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[ 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