

# Oleksandr

*Azure/AWS DevOps Engineer, Azure cloud engineer and architect*

DevOps specialist with over 13 years of experience. Have experience in architect and developing technical solutions for various on-premise and cloud-based solutions. Have a good experience in Azure cloud, ci\cd, automation, deployment of HA systems. For last years participated in many projects related to Azure and AWS clouds.

## Certifications

- Microsoft Certified: Azure Solutions Architect Expert
- Microsoft Certified: Configuring and Operating Microsoft Azure Virtual Desktop
- Microsoft Certified: Technology Specialist
- Microsoft Certified: Microsoft Teams Administrator Associate

## Work Experiences

- Epam | 2021 – now | Azure DevOps/Azure Architect
- Luxoft | 2019 – 2021 | Azure DevOps
- Finance company | 2018 – 2019 | Architect/System Administrator
- Dreamscape Networks | 2014 – 2018 | Team Leader
- BMS-Consulting | 2011 – 2014 | System Administrator

## Education

- National Technical University of Ukraine (Kyiv Polytechnic Institute)  
| 2006 – 2011 | MSc. In Automotive Engineering Technology/Technician

## Technical skills

### Clouds

Microsoft Azure cloud

- Web – Web apps, Azure Functions, Azure App Configuration
- Core services - Azure Key Vault, Azure Automation, Azure log analytics
- Data - Azure Storage, Data Factory, Azure Files
- Containers – AKS, ACR, ACI
- Automation – Microsoft Graph, ARM, PowerShell, CLI
- Network – VNET, Application Gateway, LB, Front Door, Traffic manager, VWan, Azure Firewall
- Identity – Azure AD, B2C, B2B, Identity governance, IAM\RBAC, MFA, conditional access
- Security\compliance – Security center, Azure Management Groups, Azure Policies, Azure Blueprints, Azure Monitor, Landing zones
- HA\DRP - Azure RSV, Azure Site Recovery
- Compute - Azure VM, Azure Image Gallery, Azure Migrate, Azure VMware solution, Azure Migrate
- DB - Azure CosmosDB, Azure cache for Redis, Azure SQL, Azure MySQL

AWS cloud:

- EC2, ASG, VPC, S3, EKS, ECR, NLB, ALB, RDS

### OS

- Microsoft Windows Server\Core edition
- Linux

### CI\CD

- Azure DevOps
- Jenkins
- Github Actions
- Bitbucket

### IaaS

- ARM
- Terraform

### Scripting

- PowerShell
- Bash

### Container

- Docker, dockerfile
- K8S, helm

### RDB

- MS SQL
- My SQL

### NoSQL

- Redis
- mongoDB

### Identity\IdM

- Active Directory Domain Services
- AD FS
- Azure AD
- Azure AD hybrid identity

## MTA

- Postfix
- SendGrid
- Microsoft Exchange Edge

## Network

- Network
- Microsoft DNS, DHCP, WLB
- LB Layer 4/7

## Microsoft System Center

- SC DPM 2012-2016, SCCM, SCOM 2012-2016.

## Monitoring

- Zabbix

## PKI

- Microsoft AD CA
- OpenSSL

## Virtualization

- Hyper-V
- SC VMM
- VMware

## Log management

- Windows events
- Graylog
- Azure LA

## Clusters

- Microsoft Failover cluster

## Microsoft 365 \ Office

- Microsoft Exchange
- Microsoft SharePoint
- Microsoft Skype for Business
- Office Online Server
- Hybrid solutions with on premise systems. Migration, coexistence, hybrid configurations.

## Work experience

### Epam

February  
2021 –

March 2023

### Azure DevOps/Architect

#### General responsibilities:

- Design and automate infrastructure in Azure and AWS clouds
- Deployment of solutions to Azure and AWS clouds
- Design and implementation of various solutions to Azure cloud
- Implement security and management frameworks
- Design DR, recovery and monitoring of Azure environments

### Project

Web platform for call center solution. Platform provide CRM and SIP functionality. Solution based on around 10 microservices.

#### Responsibilities

- Design and deploy infrastructure in AWS cloud with Cloudformation
- Configure AWS EKS environment
- Configure pipelines for deployment of microservices to AWS EKS with Helm charts.

### Project

Migration of client on-premise infrastructure to AWS cloud.

- Design and deploy landing zone for the client
- Configure network infrastructure
- Configure service infrastructure and migration of VMs to EC2, ASG.
- Migration of existing solution from K8S to AWS EKS.
- Refactoring K8S manifests on Helm charts.
- Pipeline migration from Jenkins to Azure Devops.

### Project

Web platform for managing public transport, track transport location and many other aspects. Microservice architecture, with around 40 services.

#### Responsibilities

- Design and deploy infrastructure in Azure cloud.
- Configure Azure AKS environment
- Configure pipelines for deployment of microservices to Azure AKS with Helm charts

### Project

Migration of client infrastructure from on-premise datacenter to Azure cloud. Implementation of CAF.

#### Responsibilities

- Design and deploy CAF with Landing zones for Azure cloud.

- Configure network infrastructure using hub and spoke topology.
- Configure service infrastructure and migration of existing services to the Azure cloud with Terraform and PowerShell DSC.
- Configure monitoring, backups.
- Deployment of DR region for client services.

## Project

Web solution for vet clinics. Solution based on .net stack. Consist from 47 microservices based on Azure Web Apps and Azure Functions.

### Responsibilities

- Create new and improve existing yaml pipelines based on Azure DevOps.
- Provision new environments and infrastructure using ARM templates
- Monitoring of infrastructure and web applications
- Design of architecture for new solutions

### Technical stack:

- Azure cloud
- Azure DevOps
- Azure Web Apps, Azure Functions
- Azure SQL MI with replication to DR region
- Azure Key Vaults, Azure App Configuration
- Cosmos db, Azure cache for Redis
- Kafka, Azure SBus
- Terraform, PowerShell
- Azure Container registry
- VNET, Application gateway, Traffic manager

## Project

Developing and automating of onboarding\offboarding process using Azure Identity Governance and Microsoft Graph with PowerShell.

### Technical stack:

- Azure cloud
- Azure AD
- Automation based on API of HR systems
- PowerShell
- Microsoft Graph
- Azure Functions
- Azure DevOps
- Terraform

## Project

Scaling of web platform for online trainings based on Azure Web Apps

### Technical stack:

- Azure web app, scale up\scale out
- App insight, Azure Metric

## Project

Implement releases for new application, support existing pipelines for existing web solutions. Design, improve and automate infrastructure. Implement monitoring, security framework. Various automations.

### Technical stack:

- Azure cloud
- Azure AD
- PowerShell
- Microsoft Graph
- Azure Web apps, Azure Functions
- Azure DevOps

- Terraform
- Microsoft Defender
- Docker
- Azure Container registry
- VNET, Application gateway, Traffic manager
- Azure log analytics
- Azure Management Groups, Azure Policies, Azure Blueprints
- Azure RSV
- Azure Monitoring

## **Luxoft**

*October 2019 –  
February 2021*

### **Azure DevOps**

- Automation of provisioning of cloud environments and services. Provisioning of cloud infrastructure and environments via Azure ARM templates, PowerShell and PowerShell DSC, Terraform, Microsoft Graph, Azure Functions and Azure Account automation.

CI\CD via Azure Devops Monitoring and compliance of Azure environments and services via Azure monitoring, Azure Security Center.

Implementation of reporting via Microsoft Power BI

Responsibilities:

- Automation of provisioning of cloud environments and services. Provisioning of cloud infrastructure via Azure ARM templates, PowerShell and PowerShell DSC, Terraform, Microsoft Graph and CI\CD
- Monitoring and compliance of Azure environments and services

Technical stack:

Azure container registry, HashiCorp Terraform, Microsoft Azure App Service, Microsoft Azure Automation, Microsoft Azure Storage, Microsoft Azure Cloud Platform, Microsoft Azure DevOps, Microsoft Azure SQL, Microsoft Graph, Microsoft Windows, PowerShell, PowerShell DSC.

## **Finance Company**

*November 2018 –  
September 2019*

### **Architect\system administrator**

#### **Projects**

- Design and deployment of Microsoft Exchange 2019 and migration from Microsoft Exchange 2013.
- Cross forest migration of Active Directory 2008 R2 level internal forest to Active Directory 2019 version.
- Deployment of 2 tier PKI system based on Microsoft AD CS.
- Migration of 2 brands from G-suite to Microsoft Exchange 2019
- Migration of 3 tenants of Office 365 to Microsoft Exchange 2019 with Hybrid Configuration
- Migration of IaaS infrastructure from GCP to on-premise VMware infrastructure
- Migration of company infrastructure on Windows Server 2019 version
- Deployment of SharePoint 2019. Integration with Microsoft OOS.
- Deployment of Postfix and implementing SBR

Responsibilities:

- Product owner, R&D, Security, Implementation and architecture for on-premise and cloud solutions

Technical stack: Microsoft Azure Cloud Platform, Microsoft Exchange Server, Microsoft SQL Server, Microsoft Windows, PowerShell, VMware, Microsoft SharePoint, Microsoft Office Online Server, Postfix, AD FS, Microsoft RDS, Microsoft Active Directory, Microsoft WSUS, Microsoft FileShare service, Microsoft AD CA.

## **Dreamscape Networks**

*June 2014 –  
October 2018*

### **Team Leader**

#### **Projects**

- Cross forest migration from Microsoft Exchange 2010 and Web Site Panel to Microsoft Exchange 2013 and SolidCP
- Cross forest migration of Active Directory 2008 R2 to Active Directory 2012 R2 version
- Deployment of 2 tier PKI system based on Microsoft AD CS
- Cross forest migration of internal mail system Microsoft Exchange 2010 to Microsoft Exchange 2013
- Extending Exchange 2013 to two datacenters with 2 DAGs
- Deployment of Lync 2013 with 3 Front End and 2 Back End. Integration with Sonus SIP Gateway
- Migration of users from Lync 2010 to Lync 2013. Migration of SIP trunks

- Deployment of Exchange 2013 with 2 DAGs. Migration of 7000 mailboxes from Exchange 2010
- Deployment of Hyper-V cluster based on Windows Server 2012 R2 core editions
- Configuring share nothing migration and migration of VMs from Hyper-V 2012 to Hyper-V 2012 R2
- Implementation of MS SQL 2014 AAG. In future – migration on MSSQL 2016 AAG
- Deployment of 3 instances of DPM 2012 R2 in separate datacenters
- Deployment of SharePoint 2013 with two separate farms. Deployment of data replication between farms
- Implementation of VMM 2012 R2 with App controller
- Implementation of Office Web Apps for SharePoint, Exchange
- Deployment of EDGE with NLB cluster as MTA solution. Implementation of domain sync between Exchange 2013 and other mail systems
- Deployment of MS SCCM with Endpoint protection
- Deployment 2 Hyper-V clusters on server cores and integration with VMM and DPM service
- Deployment 3 node MS SQL FCI for Plesk hosting panel
- Extending Lync system with SfB 2015 pool. Configure pool paring. Users migration
- Migration of Active Directory DS service on version 2016 on Windows core servers
- Deployment of Exchange 2016 with 2 DAGs. Deployment SolidCP panel. Integration with OOS
- Cross forest migration of 16000 customers from Exchange 2013
- Deployment two SharePoint 2016 farms. Integration with OOS and RMS service.

#### Responsibilities:

- Manage team of 6 employees
- Product owner, R&D, Security
- Implementation and integration of Microsoft systems
- Maintenance of Microsoft systems, DRP, capacity planning
- DRP

Environment and Tools: Microsoft Azure Cloud Platform, Microsoft Exchange Server, Microsoft SQL Server, Microsoft Windows, PowerShell, VMware, Microsoft SharePoint, Microsoft Office Online Server, Postfix, AD FS, Microsoft RDS, Microsoft Active Directory, Microsoft WSUS, Microsoft FileShare service, Microsoft AD CA.

#### **BMS-Consulting**

*June 2011 – May 2014*

#### **System Administrator**

##### **Projects**

- Migration IT infrastructure of commercial bank to Microsoft systems. My scope - mail migration from Microsoft Exchange 2003 to MS Exchange 2013 with publishing by UAG and Symantec mail security as MTA. The system was designed for 20,000 users. Territorial system is spread on 2 datacenters.
- Mail migration of government institution from MS Exchange 2003 to MS Exchange 2010. The system was designed for 10,000 users.
- Mail migration media company for the software MS Exchange 2010, using the architecture - the resource forest. The system is designed for 3,000 users to connect from 5 different remote forest, with the possibility of scaling and capacity building. Territorial system is spread on 3 data centers.
- Migrating users from MS Active Directory 2000 for MS Active Directory 2008 R2. Migration financial public facility with MS Exchange 2000 to MS Exchange 2010 SP2 (400).
- Expanding a mail system MS Exchange 2010 in the cloud

#### Responsibilities:

- Deployment systems based on software MS Exchange 2013, MS Active Directory. AntiSpam mail systems. PowerShell scripting and automation.
- Writing technical documentation, according to internal company requirements and the requirements of the customer.
- Technical Support Customer.

Technical stack: Microsoft Exchange Server, Microsoft Active Directory Domain Services, Microsoft Active Directory Certificate Services, Microsoft PowerShell.