



Kanat Asankhodzhoev

DevOps Engineer

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akylson.com

EDUCATION

**Bachelor of Economics
Kyrgyz-Slavonic
University**
2006-2010

Department of
International Relations

CERTIFICATIONS

AWS - Certified Solutions
Architect Associates

CKA - Certified Kubernetes
Administrator

LANGUAGES

English / Fluent
Russian / Fluent
Kyrgyz / Fluent
Kazakh / Fluent

SUMMARY

Results-Oriented IT professional with over 15 years of expertise in driving IT operations efficiency through test automation and infrastructure modernization. Proven track record in cloud migrations (AWS) and streamlining DevOps processes (CI/CD) using containerization technologies. Skilled in orchestration (Kubernetes, Docker), infrastructure as code (Terraform), and cloud services (EC2, S3, Lambda)

Primary skills:

Cloud Computing: AWS EC2, S3, RDS, ELB, EKS, ECS, ASG, IAM, VPC, Route53, Lambda, CloudWatch

Orchestration/Containerization: Kubernetes, Docker, Helm

DevOps: Gitlab CI, Jenkins

Monitoring: Prometheus + Grafana + Loki, ELK Stack

Infrastructure as Code: Terraform, Ansible

Operating Systems/Scripting: CentOS, Red Hat, Ubuntu, Debian, Windows Server / Python, Bash

Additional skills:

Security: Hashicorp Vault, Keycloak

Databases: PostgreSQL, MySQL, Oracle, Redis

Data Science: Computer-Vision (OpenCV, TensorFlow) Python, Pandas, NumPy, Matplotlib, SciPy, Scikit-learn, TensorFlow, Keras

PROFESSIONAL EXPERIENCE

DevOps Engineer / AyilBank / 2023 - Present

- Architected and deployed a 3-environment Kubernetes cluster (production, staging, development) using kubespray, supporting the deployment of 60+ banking microservices and improving release velocity by 25%
- Streamlined development workflows by establishing a GitLab CI pipeline, ensuring seamless deployment of tested applications to their respective Kubernetes environments.
- Optimized operational efficiency through Python scripting, automating repetitive tasks and saving developers an estimated ~8 hours per week
- Implemented a comprehensive monitoring and alerting system utilizing Grafana, Prometheus, and Loki, providing real-time visibility into microservice health and enabling proactive issue resolution.
- Facilitated rapid team communication and minimized service disruptions by integrating alerting with Slack.
- Spearheaded a successful migration of on-premise services to Amazon AWS (S3, EC2, EKS, RDS, CloudWatch, IAM, WAF), optimizing infrastructure costs, enhancing scalability, and modernizing the bank's technology stack.

EXPERTISE

Cloud Computing

Strategic IT Management

Server Monitoring

Automation

Continuous Integration /
Continuous Deployment

Information Technology Manager / ACDIVOCA / 2017 - 2023

- Spearheaded IT operations for ACDIVOCA, leading a team across multiple branches, and modernizing the technological infrastructure.
- Increased operational efficiency by automating infrastructure deployment and configuration using Ansible.
- Enhanced system reliability and visibility by implementing a comprehensive monitoring solution using Prometheus and Grafana.
- Streamlined software development and deployment processes by establishing CI/CD pipelines using Jenkins.
- Developed and maintained Python and Bash scripts, automating tasks and driving operational improvements.
- Ensured data security and business continuity by implementing and maintaining robust backup and disaster recovery plans.
- Administered a 100-user Office 365 environment, implementing security best practices and ensuring a seamless user experience.
- Oversaw IT budgeting and procurement, drafting technical specifications and providing expertise to ensure optimal project outcomes.
- Collaborated with business teams to support the integration of new applications, implement SSO solutions, and resolve technical issues.

Information and Communications Technology Specialist / OSCE / 2014 - 2017

- Administered Windows Server 2012 Active Directory environment, automating user provisioning tasks with PowerShell scripts to enhance efficiency
- Administered Active Directory, DNS, DHCP, SMB, and other core Windows Server 2012 services.
- Managed Linux servers for web, mail, and file sharing, streamlining configuration management with basic templating tools for consistency.
- Configured and utilized a monitoring solution (e.g., Nagios, MRTG) to track server health, identify potential issues, and perform proactive maintenance plans

Information and Communications Technology Specialist / OSCE ODIHR / 2011 - 2012

- Delivered comprehensive IT support, encompassing server administration, network infrastructure, and security
- Configured and maintained essential Windows Server 2012 services, including DNS, DHCP, SMB, and more.
- Designed and implemented a secure LAN network
- Configured Cisco firewalls to protect network assets and ensure data security.
- Proactively monitored server health using a monitoring solution (e.g., Nagios, MRTG) to identify and resolve potential issues.