






Jakub Szostak

DevOps Engineer



CONTACT

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EDUCATION

MASTER'S DEGREE,

IT Education

UKEN Cracow

2023 — 2024

Thesis: Performance and scalability analysis of CI/CD tools in the Kubernetes environment – Azure DevOps, Gitlab, GitHub Actions

BACHELOR'S DEGREE,

Computer Science

Cracow University of Technology

2019 — 2023

Thesis: Monitoring self-scaling distributed applications using ELK

SKILLS

| Technical

Kubernetes – GKE and AKS
Docker + Docker Compose
ArgoCD
YTT and Helm
GCP and Azure
Terraform, Bicep, Ansible, Puppet,
Gitlab, Azure DevOps, GH Actions,
Jenkins,
Python (Flask, FlaskRESTX, Tornado,
Bottle, FastAPI, Django)
Bash and PowerShell,
Prometheus, Victoria Metrics, Metricbeat
Grafana, ELK Stack, Graphite,
MySQL, PostgreSQL, Oracle, Couchbase,
MongoDB
Ubuntu, Debian,
Pagerduty, Jira, Figma, Google Suite,
Slack, Teams

SUMMARY

Highly motivated DevOps Engineer with a master's degree in Information Technology at the UKEN in Cracow and Engineering Degree at the Cracow University of Technology. Experienced in working on-call shifts, managing and maintaining on-premise, Google Cloud Platform (GCP) and Microsoft Azure infrastructure.

Over the course of my three-and-a-half-year professional journey, I have developed strong problem-solving skills and a proactive attitude towards tackling challenges.

I actively stay updated with the latest trends and best practices in DevOps through articles, videos and by attending various meetups.

Apart from my professional interests, I have a passion for the automotive industry.

WORK EXPERIENCE

DevOps Engineer

Medius | 09.2023 — current

- Managed Azure Kubernetes Clusters, configured and secured them, including securing the API by restricting access to specified networks (offices and VPN only) and implementing user authentication via Microsoft Azure Active Directory.
- Set up and maintained Elasticsearch clusters within AKS using Elastic Custom Resource Operator.
- Successfully migrated Elasticsearch clusters from Windows virtual machines to AKS, optimizing performance, scalability and costs.
- Developed and maintained Infrastructure as Code (IaC) using Bicep, ensuring consistent and reproducible deployment of resources.
- Implemented comprehensive monitoring for AKS clusters and Elasticsearch deployments using Metricbeat.
- Created multiple Grafana dashboards for monitoring of AKS infrastructure and Elasticsearch clusters.
- Merged and migrated multiple Grafana instances from Windows VM's into a single shared instance deployed in AKS.
- Integrated Microsoft Azure Entra ID Single Sign-On (SSO) with Grafana for secure and efficient user authentication and access management.
- Migrated a portion of our Git repositories from GitHub to Azure DevOps, streamlining collaboration and integration with Azure services – process still in progress.
- Migrated our whole CI/CD pipelines from GitHub Actions and AppVeyor to Azure DevOps, enhancing automation and deployment efficiency.
- Developed PowerShell deployment scripts for AKS workloads, automating deployment processes and ensuring consistency across environments.
- Created self-hosted Azure DevOps CI/CD agents based on scalable virtual machine scale set.

J a k u b S z o s t a k

DevOps Engineer

SKILLS

| Soft

Attention to detail

Collaboration and teamwork

Problem Solving

Communication

Critical and creative thinking

Adaptability

Able to work under pressure

LANGUAGES

Polish – Native

English – B2/C1

I am using English on a daily basis at work because my current team is international

WORK EXPERIENCE CONTINUED

DevOps Engineer

Playbook Engineering | 10.2022 — 08.2023

- Developed Gitlab CI/CD and Jenkins pipelines for frontend and backend services – especially Gitlab – one of the most interesting tasks which I had the opportunity to handle
- Managed Google Cloud Platform infrastructure with Terraform and Ansible
- Managed twenty Kubernetes clusters - ArgoCD deployments (YTT/Helm)
- Monitored whole infra with ELK stack (logs), Prometheus (Victoria Metrics), Grafana, Alertmanager and Alerta
- Managed many PostgreSQL instances (CloudSQL) and Couchbase (GCE), I have experience with Couchbase-Elasticsearch connector
- Developed Python scripts, for managing data migrations with a help of Docker (one **docker run** command so that any DevOps or developer can run it)

Junior Software Developer

Allegro.pl | 07.2021— 10.2022

- Managed MongoDB in Kubernetes clusters with Python + Flask-RESTX
- Created high performance NGINX proxy for image cache
- Developed Python, Bash and Java + Spring Boot applications
- Deployed applications to on premise Ubuntu servers and K8S clusters, also in GCP
- Worked with on premise MySQL, PostgreSQL and MongoDB
- Developing IaC code with Puppet
- I was using Prometheus and Graphite as a metric store for our applications
- Creating Grafana dashboards for metrics of our apps

CERTIFICATION

Google Cloud Associate Cloud Engineer

09.2022 — 09.2025

RedHat System Administration I (RH124)

03.2020