

# HANNA BARYSAVA

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## Senior Site Reliability Engineer/DevOps

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<https://hannabarysava.github.io/>

## SUMMARY

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- Senior DevOps/SRE Engineer with 7 years of experience.
- Proven experience working with Cloud technologies (5 years of experience, Azure Cloud Certified)
- Proven experience working with container orchestration tools (Certified Kubernetes Administrator)
- Proven experience in System Design (experienced in building highly available solutions with disaster recovery in the cloud)
- Worked as a member of globally distributed and cross-functional team, supporting a large-scale, distributed infrastructure
- Worked as a member of distributed SRE team (3 years), resolving production incident in a large scale enterprise platform
- Interviewed, onboarded and supervised new team members, as well as mentored and coached less senior team members. Shared insights and best practices that can be applied to improve development and operations across related sets of systems, platforms, and/or products
- Developed widely reusable components, such as CI/CD pipelines, scripts, helm charts, Terraform modules, Docker images or platforms that automate repetitive operations processes (e.g., monitoring, alerting, deploying products and updates, debugging) at scale; reviewed existing automation code and scripts to evaluate reusability, extendibility, and scalability within an organization
- Hands-on experience in installation, troubleshooting, performance optimization of CMS platforms (Sitecore 7.2-9.1.1)

## EDUCATION

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### 2009-2016

Bachelor degree in Info communication Technologies, Belarusian State Academy of Communications

## ACTIVE CERTIFICATIONS

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**AZ-104 - Microsoft Certified:** Azure Administrator Associate

**AZ-400 - Microsoft Certified:** DevOps Engineer Expert

**HashiCorp Certified:** Terraform Associate

**CKA:** Certified Kubernetes Administrator

**AZ-305 - Microsoft Certified:** Designing Microsoft Azure Infrastructure Solutions

## PROFESSIONAL EXPERIENCE

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### Technical Lead / SRE at [EPAM Systems](#)

March, 2022 – Till now

- Responsible for managing API Management Platform and maintenance of Enterprise services (100+ AKS/Azure functions based microservices), including consulting Development teams and stakeholders about its functionality and capabilities
- Designed and implemented IaC and CI/CD for a project from scratch and propagated from Dev to Prod environment
- Worked on a solution for syncing data between Azure CosmosDB (SQL API, Mongo API) and Mongo Atlas using Confluent Kafka in AKS
- Contributed to system design discussions about APIM Platform migration approaches, planned disaster recovery and high availability configuration
- Designed and implemented automated backup/restore pipeline for CosmosDB SQL API databases, which was reused on several streams
- Interviewed and on-boarded new team members
- Mentored and supervised less senior members of the team in performing day-to-day activities (APIM Platform management, Development teams and stakeholders' consultations, incident management, SRE support)
- Served as first point of contact while resolving communication and coordination issues, participated in post-mortems and fire drills, as well as followed up with the business users to verify customer satisfaction and improve processes
- Propelled the adoption of Redoc CLI tool for OpenAPI specification validation across the enterprise

#### Tools and Technologies:

Azure Cloud, Terraform, Azure DevOps, Jenkins, Linux, Kubernetes, Helm, Docker, Python, Bash, Powershell, New Relic, Azure Monitor, Maven, Gradle

### Senior Systems Engineer/ DevOps at [EPAM Systems](#)

Sep, 2021 – March 2022

- As part of the team participated in continuous improvement of existing CI/CD process on a project using shift left principle, e.g:
- Implemented git hook for running pre-commit checks and linting on developers' machines
- Contributed in planning and implementation of branching strategy on the project
- Automated release notes generation
- Acted as a mentor/contact point for Engineering Co-op team members
- Designed and implemented IaC for highly available infrastructure in Azure
- Assisted dev teams during ongoing development process
- Run and troubleshoot on premise deployments using Jenkins and Ansible
- Built automated pipelines to run UI tests for on premise application
- Performed/supported releases from dev to prod environments

#### Tools and Technologies:

Python, Bash, Powershell, Terraform, Azure Bicep, Azure Cloud, Azure DevOps, Jenkins, Ansible

**Systems Engineer/ DevOps at [EPAM Systems](#)****Feb, 2021 – Aug 2021**

- Developed, configured and supported Azure DevOps CI/CD build (yaml) and release (classic) pipelines for build and deployment, including preparation of IaC and powershell scripts for the pipelines
- Developed IaC(Terraform) for infrastructure deployment, including microservices, API provision and Monitoring infrastructure
- Refactored IaC code for resilience and high availability
- Participated in setting up and troubleshooting Sitecore IaaS in Azure
- Maintained and troubleshot Azure Cloud microservices infrastructure

**Tools and Technologies:**

Azure Cloud, Azure DevOps, Terraform, Nuget, TDS, Azure Monitoring

**Site Reliability Engineer at [EPAM Systems](#)****Feb, 2019 – Jan, 2021**

- Developed, configured and supported Azure DevOps CI/CD pipelines for build and deployment
- Performed regular and on-call support tasks: analyzed and resolved issues with websites and infrastructure; analyzed logs and proceeded with investigations when necessary
- Served as escalation point for resolving Priority 1 incidents on infrastructure environment in 24/7 mode
- Analyzed and improved the efficiency, scalability and stability of installed systems and tools

**Tools and Technologies:**

Azure Cloud, On-premises servers, Azure DevOps, Powershell, Bash, Nuget, TDS, New Relic

**Trainee/Intern at [EPAM Systems](#)****Sep, 2018 – Jan, 2019**

Learning basics of Scripting, Software Development Life Cycle (SDLC), Continuous Integration / Continuous Delivery (CI/CD), Infrastructure as Code (IaC), Configuration Management, Clouds

**Aug, 2016 – Dec, 2018****Production and technical department technician at [ZAO "Sevzapmontazhavtomatika"](#)**

The company provides services in a field of electrical assembly, mounting and adjustment of control and measuring instruments

- Prepared documentation in compliance with regulatory requirements
- Installed, configured and used software for data analysis, forecasting and budgeting(SMR-Pro)
- Maintained and updated databases with the latest regulatory and reference data (SQL database)
- Created and submitted estimate reports or bids to appropriate persons
- Resolved conflicts with the customer
- Built relationships with key vendors (subcontractors, suppliers, engineers etc.)
- Implemented Quality Management System ISO 9001-2015

**Tools and Technologies:**

Windows, Linux, Microsoft Word, Microsoft Excel, SMR-Pro