Yevhenii Afanasiev

Senior DevOps Engineer
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Summary

Cloud-native and serverless enthusiast. Love to put thing in containers and in order. Area of expertise - complete application lifecycle from architecture planning trough development pipelines to production deployment. If you get excited watching your code building and deploying while you are sipping a cup of tea - you came to the right place.

Skills

I am proficient with:
- Linux desktop and server (Debian-based mostly).
- Containers and orchestration (Cattle, Swarm, Kubernetes).
- CI/CD (TeamCity, Gitlab CI, Octopus Deploy, GitHub Actions).
- AWS
    - EC2
    - CloudFront
    - S3
    - RDS
    - VPC
    - Route53
    - EKS
    - Elasticache
    - DocumentDB
    - Amazon MQ
- Git, GitLab, GitHub.
- Web servers (Nginx, Apache, Haproxy).
- Databases (MongoDB, Cassandra, PostgreSQL, MSSQL).
- Shell scripting (BASH, PowerShell 6.0).

I am familiar with:
- Windows Server (AD, RDS, IIS).
- Networking (DNS, routing, NAT, firewalls).
- Azure (Azure DevOps, AD, VM).

Software stack:
- NodeJS (Express, TypeScript, NestJS).

Language:
- Ukrainian - native.
- Russian - native.
- English - C1.

Education

- **Zhytomyr Polytechnic State University, Master's degree, Computer Software Engineering, 2018 – 2019.**

- **Zhytomyr State Technological University, Bachelor's degree, Systems Engineering, 2014 - 2018.**

About me

Keen on music (metal and rock the most, but can appreciate a good synth/electronic/ techno as well), finished a guitar class. Love travelling, visited Hungary last autumn, went to Bukovel this winter for skiing - awesome. A proud owner of two cats - Maine Coon and British shorthair. Have a passion for cooking and can whip up a gorgeous meal in no time. Also, a public speaker on various local IT-related events.

Experience

Finsight [finsight.com]

DevOps Engineer | February 2022 – present | Remote

Skills & Technologies: AWS, Kubernetes, Containers, PHP, NodeJS, GitHub, PostgreSQL, GitOps.

Started a DevOps transformation in the company. Moved development processes from outdated tools to latest GitOps and IaaC approaches.

- Upgraded company IaaC to the latest tool versions and modular versioning approach, refactored structure.
- Introduced a GitOps configuration for tuning and maintaining cluster applications (FluxCD).
- Decoupled operations from current release lifecycle and adopted trunk-based approach.

Easygenerator [easygenerator.com]

DevOps Engineer | June 2020 – February 2022 | Zhytomyr, UA
DevOps Consultant | June 2022 – present | Remote

Skills & Technologies: AWS, Kubernetes, Containers, ASP.NET, NodeJS, GitHub, Cloudflare.

Lead a DevOps transformation in a product. Implemented operations best practices from the ground-up. Took an active part in development of services and libraries.

- Migrated a legacy ASP.NET application from Windows server to Windows Containers in AWS EKS, unifying the deployment procedure and configuration
- Revamped CI/CD systems from scratch, from CirlcleCI to Github Actions, reducing build time in half, adding static code analysis and vulnerability
- Built and integrated a complete monitoring pipeline, streaming alerts from multiple sources (Prometheus, CLoudWatch, Pingdom) into incident management platform (Opsgenie).

- Implemented a high-availability configuration for all application components (databases, caches, message broker), which allowed for zero downtime during the AWS regional outage.
- Took a responsibility in integrating SSO solutions for enterprise customers, streamlining and speeding up the process.
- Trained over 30 staff members in DevOps best practices, containers and continuous integration, including writing extensive documentation.
- Introduced a secure and centralised secret storage (Hashicorp Vault), including dynamic credentials generation.
- Built a SIEM and intrusion detection solutions on top of existing AWS services, increasing platform security and saving money over enterprise solutions.

eWizard [ewizard.io]

DevOps Engineer | Apr 2017 - June 2020 | Zhytomyr, UA

Skills & Technologies: TeamCity, Kubernetes, Docker Swarm, Containers, NodeJS, Python, AWS, SonarQube, Azure.

Support complete application lifecycle, including release management. Integrate DevOps strategy and cloud infrastructure to product.

- Migrated microservice application to Kubernetes, simplifying orchestration and cutting maintenance cost, as well as making application higly available and self- healing.
- Designed and implemented content delivery network (CDN) for front-end services, reducing page load and operations overhead for customers worldwide.
- Integrated cloud platform features (AWS) into application.
- Revamped CI/CD systems from scratch, reducing build time in half, adding static code analysis and vulnerability scanning, easing management and bulk changes.
- Participated in company's successful ISO 27001 certification.
- Trained over 60 staff members in DevOps best practices, containers and continuous integration, including writing extensive documentation.
- Collaborated with development team on new features, infrastructure code changes and refactoring.
- Introduced infrastructure-as-a-code approach (IaC), to both operations and release processes.

Viseven [viseven.com]

Lead DevOps Engineer, IT Department | Apr 2017 - Dec 2018 | Zhytomyr, UA

Skills & Technologies: Gitlab CI, Proxmox, ESXi, Jenkins, Docker, Rancher, AWS, IIS.

- Implement CI/CD practices in company's products. Support web and mobile developments teams trough development and release processes.
- Optimized and reorganized hosting infrastructure, reducing operation expenses up to 50%.
- Designed and implemented continuous integration for company projects, decreasing lead time to production and speeding up development process.
- Participated in new project planning and architecture discussion, collaborating with development team, implementing industries best practices.

- Contributed to company migration to Office365, enabling rapid company growth and toolset expansion.

ENOTE [enote.cloud]

System Administrator | Mar 2016 - Apr 2017 | Zhytomyr, UA

Skills & Technologies: PostgreSQL, 1C, Linux, LXC, BASH, Nginx, Windows RDS.

- Worked on a complex SaaS solution for veterinary clinics and pet shops.
- Supported all company operation processes, both development and office environments to production systems and releasing new application versions.
- Implemented new database backup system, reducing RPO from 24 hours to 3 minutes, and reducing RTO from 3 hours to 30 minutes.
- Excelled as technical support representative, achieving customer case satisfaction rate above 90%.
- Performed a complete application migration to new provider with minimal possible downtime, decreasing hosting costs and increasing stability.