

Nicu D.

Devops

I am self motivated and adaptable person with experience in the Devops and network administration fields, beside technical skills I also have strong soft skills that I acquired during the University (president of student council) and during the previous job as an account executive at the IT startup company.

SKILLS

- Versioning Tools- Git, Bitbucket
- CI/CD tools: Jenkins
- Containers/Orchestration- Docker, Kubernetes
- Operation System – Windows, Linux (Ubuntu, CentOS), WSL subsystem
- Database: MySQL, SQLServer, Oracle
- Devops Tools: ArgoCD, Flux, Sonarqube, Nexus, Maven
- IAC tools: Ansible, Puppet, Terraform
- AWS (VPC, Subnets, ACL, ELB, managing IAM roles, CDN, S3, EKS, RDS)
- Azure Resource Groups, Aks, IAM, VM, App Services)
- Cloud Platform: AWS (VPC, Subnets, ACL, ELB, managing IAM roles, CDN, S3, EKS, RDS)
- GCP (GKE, Cloud DB, IAM, Cloud Storage,
- Compute Engines)
- Monitoring tools: Nagios, Grafana, Icinga, ELK,Zabbix, Prometheus
- Web serves: Nginx, Apache Tomcat
- Languages: YAML, Python, Java and Shell for scripts

ACTIVITIES AND ADDITIONAL INFORMATION

LANGUAGES

English B2, Russian C1, Romanian C1.

- Experience in Agile
- Adaptive to new technology stack
- Good knowledge of networking and TCP/IP protocol stack
- Passionate of cybersecurity
- Preparing to get certificates: CKA, AWS

EXPERIENCE

09/2023- present DEVOPS,

- Worked extensively with GCP and its services on an AI-based project with voice recognition features.
- Created Helm and Terraform scripts for environment setups, ensuring efficient deployment and scalability.
- Utilized Ansible for configuration management across the project, streamlining system setups and updates. (Ansible tasks for Kafka configuration, and db configuration).
- Fixing script issues, ensuring CI/CD pipelines (github and gitlab) stability and functionality.
- Set up and maintained monitoring systems with Prometheus, added new alerts.
- Managed Docker Compose containers and images, including orchestration for scalable deployments.
- Maintained Kafka and Databases, ensuring seamless application performance.
- Developed and deployed custom Helm charts for application releases.
- Managed Kubernetes (AKS and GKE), deployed and scale critical microservices, ensuring optimal performance and reliability.
- Led the migration of GCP infrastructure to Azure, overseeing the transition process and ensuring zero downtime.
- Conducted security audits, enhancing system integrity and compliance with security standards.
- Managed AWS services including EC2, S3, IAM roles, and EKS to optimize and support scalable application deployment.
- Developed and maintained GitLab CI/CD pipelines, ensuring reliable and efficient deployment processes. Was responsible for transitioning from gitlab to github during the management decision, used ansible to configure custom runners.

08/2022- 07/2023

- Troubleshooting pipelines in gitlab, working with SonarQube
- Implemented monitoring solution like Prometheus with helm
- Changed helm chart, added extension with custom values like SNMP exporter, cadvisor, kube metrics
- Worked with Ansible templates
- Helped with transition from bare metal to cloud provider • Troubleshooting Kubernetes cluster
- Developed Ansible playbooks for automated configuration management, reducing manual configuration errors.
- Transitioned infrastructure from bare metal to AWS, focusing on services like VPC, EC2, and EKS, resulting in a more scalable architecture.
- Integrated AWS services with existing on-premises infrastructure, ensuring a hybrid cloud solution.
- Deployed critical production applications using Kubernetes and Helm, ensuring high availability and rapid recovery.

04/2022 - 07/2022

- Working with Docker, Kubernetes, Helm, Docker Registry, Ingress controllers.
- Writing scripts for pipelines (bash, python)
- Solve the issues with deploys in prod app with million users
- Troubleshoot and write GitLab pipelines
- Deploy new buildouts with Kubernetes, Kafka and Cassandra
- Working with AWS cloud provider and bare metal

01/2020 – 04/2022

- Set up CI/CD pipelines in Jenkins for microservices and integrate such tools as Maven, Sonarqube, Nexus, Docker, Bitbucket and providing slack notifications for the team
- Sync resources and automating updates in Kubernetes cluster with flux, then migrate to ArgoCD.
- Set up permissions and SSH keys, used Keycloak access management
- Setup kubernetes cluster with amazon EKS, EC2
- Monitor apps with tools like Grafana, Icinga
- Configure api gateway for internal apps using Kong api and Istio mesh service
- Troubleshooting pipelines, maintain company CI/CD and infrastructure

02/2018 - 11/2019

- Maintaining, monitoring, configuring and troubleshooting Linux servers
- Experience deploying scalable web infrastructure with Apache/NGINX/PHP/Tomcat/Node
- Used scripts for automating – Bash, Python
- Installing new software releases, system upgrades, patches
- Writing and updating system documentation
- Performing system backups, recovery procedures and disaster recovery plans •
- Monitoring servers with Nagios

EDUCATION

ACADEMY OF ECONOMIC STUDIES OF MOLDOVA | 2017-2019

BACHELOR DEGREE IN INFORMATION TECHNOLOGIES