Yuri

DevOps Engineer

PROFILE INFO

DevOps and system administrator with 13 years experience in variety application support.

Good communication skills. Has strong analytical skills. Excellent knowledge of supported products. Responsible for various aspects of application-level services. Passion for learning anything new and always open for new ideas. Personally interested in high load projects. Familiar with agile software development methodologies like Scrum or Kanban.

EXPERIENCE

OS: Linux, Windows

Command and programming languages: Bash, PowerShell, Python, C# (.Net)

Cloud platform: AWS, Azure, GCP

Java technologies: Gradle, Maven, Ant, Spring-Boot, Apache Tomcat, IBM WebSphere Application Server, JBoss, Jetty Servlet Container

CI/CD: Bamboo, Jenkins, Gitlab CI, Ant/NAnt/CPPAnt, Hudson, Jenkins, Puppet, TeamCity, Cube

Source code management: Git, GitHub, Perforce, Rational ClearCase, Subversion, TortoiseSVN, Nexus

Infrastructure management: Terraform, Ansible, Helm, Kustomize, Semantic layers

Monitoring: ELK, Fluentd, Prometheus, Grafana, AWS Cloud Watch, NewRelic

Virtualization | Containerization | Orchestration: Kubernetes, OpenShift, Docker, Docker Compose, Oracle VirtualBox, VMware Player, VMware Server, VMware Workstation, VMware vCenter Converter

TECHNOLOGIES

- Linux
- Bash, PowerShell
- Python
- .Net
- AWS, Azure, GCP
- Java technologies
- Terraform, Ansible, Helm
- Kubernetes
- Docker
- RDBMS and NoSQL
- Network
- Microservices
- Embedded
- Git

EDUCATION

State Technical University / Information Technologies And Robotechnics

LANGUAGES

- English – B2

Database Management Systems (DBMS) & NoSQL: PostgreSQL, MySQL, MSSQL, MariaDB, MongoDB, Redis, Kafka

Network technologies and services: SSH, CIFS (SAMBA), DHCP, DNS (BIND), IPTables, NAT, PuTTY, Wireshark

Architecture: Microservices

Embedded: Arduino, Raspberry Pi, Bluetooth, CAN, Ethernet, FibreChannel, RS-232, USB, WiFi, DNS, Ext2/3/4, FAT, FAT32, FATX/XTAF, NFS, NTFS, Linux kernel

Management: Agile, Confluence, Jira

PROJECTS

GOSPEECH
DevOps Engineer
07.2023 - 04.2025

We aim to create a robust and secure web platform that leverages advanced AI-driven speech recognition technology. This comprehensive solution will facilitate seamless voice interaction, enabling users to convert spoken language into text with high accuracy and efficiency.

Responsibilities

- Support for developers to create DockerFiles for their applications.
- Deploy k8s clusters (Exoscale, Bare-metal).
- Deploy and configure infrastructure components, like Ingress, Monitoring (Prometheus, Grafana), logging (EFK), Keycloak, Kafka, Databases (MySQL, MsSQL, MariaDB, PostgreSQL, MongoDB) and etc.
- Configure DNS, SSL, Docker registry, GitLab.
- Create pipelines to build, push, deploy docker images.
- Create manifest to deploy applications on k8s clusters.

Technologies

Kubernetes, AWS, Azure, Docker, Exoscale, Bare-metal, Prometheus, Grafana, EFK, Keycloak, Kafka, MySQL, MsSQL, MariaDB, PostgreSQL, MongoDB, DNS, SSL, Docker registry, GitLab.

ORCHESTRATION PLATFORM
DevOps Engineer
04.2021 - 06.2023

Platform helps to create, use and support applications on microservice architecture.
Platform allows you to manage environments and services in a Kubernetes cluster and fully automate deployment processes.
This system is tightly integrated with many third-party tools like Git, Docker, Jira, Prometheus,

Grafana, EFK (Elasticsearch, Fluentd, Kibana), Keycloak, etc.

Responsibilities

- Support for developers to create DockerFiles for their applications.
- Deploy k8s clusters (GKP, Bare-metal), deploy and configure infrastructure components, like Ingress, StorageOS, Monitoring (Prometheus, Grafana), logging (EFK), Keycloak, Kafka, Databases (MySQL, MsSQL, MariaDB, PostgreSQL, MongoDB) and etc.
- Configure DNS, SSL, Docker registry, GitLab.
- Create pipelines to build, push, deploy docker images.
- Create manifest to deploy applications on k8s clusters.

Technologies

Kubernetes, AWS, Azure, GCP, Docker, Prometheus, Grafana, EFK, NewRelic, Keycloak, Kafka, MySQL, MsSQL, MariaDB, PostgreSQL, MongoDB, Python, C# (basic), .Net, DNS, Semantic layers, SSL, Docker registry, GitLab.

NET TERMINAL PLATFORM
DevOps Engineer
04.2019 - 03.2021

Project is developing a cloud platform for managing a network of information systems and special-purpose terminals.
Platform also has the ability to control the operation of each terminal: using a visual editor, you can create multimedia interactive presentations and workflows that interact with the user and peripherals, manage the broadcast schedule, connect specialized modules to perform various functions.
Together with colleagues from Germany and Poland, a solution was developed and implemented for a large supermarket chain REWE, which allows storing and automatically dispensing purchased products.
It includes integration with refrigeration unit, locks, payment terminal, QR Code reader and LED backlighting.

Responsibilities

- Deploying applications to Cloud platforms: AWS, Azure, GCP.
- Deploying and configuring CI\CD processes: Argocd, Gitlab CI.
- Working with containerization systems: Docker, Kubernetes.
- Configuring monitoring and logging systems: Prometheus, Grafana.
- Using scripting languages: Bash, Python.
- Storing the code base and configuration: Gitlab, Github.
- Using package managers: Helm, Kustomize.
- Configuring secrets and access control: HashiCorp Vault, Keycloak.
- Web servers: NGINX.
- Configuring and maintaining the database: PostgreSQL.

Technologies

Kubernetes, AWS, Azure, GCP, Docker, Prometheus, Grafana, NewRelic, EFK, Bash, Python, C# (basic), .Net, Gitlab, Github, Cube, Helm, Kustomize, Semantic layers, PostgreSQL.

MULTIPLATFORM SUPPORT AND OPERATIONS
DevOps Engineer
12.2014 - 04.2019

Multiplatform support for more than 20 business systems for 5 years.
Worked as part of a combination of two teams working 24/7: the online operations team and the digital support team to resolve incidents in real time. Provided "single point of contact" support for various aspects of application layer services within the Media & Technology Services Group.

Responsibilities
- 24/7 support for more than 20 systems.
- Defect registration.
- Troubleshooting and defect analysis.
- Setup and configuration of systems, databases.
- Migration of service databases.

Technologies
Linux, Windows, AWS, Azure, GCP, Gradle, Maven, Apache Tomcat, IBM WebSphere Application Server, Bamboo, Jenkins, Gitlab CI, Python, Hudson, Jenkins, Puppet, Terraform, Ansible, Helm, ELK, Fluentd, AWS Cloud Watch, Cube, Kubernetes, OpenShift, Docker, NewRelic, Docker Compose, PostgreSQL, MySQL, MSSQL, MariaDB, MongoDB, Microservices.

SUPPLIER QUALITY ACCOUNTING AND EVALUATION SYSTEM
Build Engineer
10.2012 - 12.2014

Enterprise system used for managing suppliers according to the values of different indicators (risk, qualification, etc.). It provided various workflows which included plenty of actions - different kinds of supplier registration, assessments, various questionnaires, supplier's criterion configuration, formulas for its efficiency and risk calculation, post workflow activities. System was the part of the applications' suite which consisted of six projects contacting each other using JMS.
The application was monolith with multi module architecture based on Maven as a build tool. My role was to support our CI system (TeamCity, Hudson, Jenkins, IBM RTC), Install tests suits, prepare self-installations packages for our customers, make test installations, prepare support documentation make training courses, test's infrastructure improvement - migrated from the Oracle to H2 database for in-memory usage sake, divided tests into different parts based on its type (unit, integration and so on), configured CI builds per category to run tests in parallel inside of every long running build. Housekeeping activities – configuration and maintaining CI builds (first using TeamCity and Jenkins afterwards).

Responsibilities
- CI system development and support (TeamCity, Hudson, Jenkins, IBM RTC).
- Installation of test kits.
- Preparing self-installation packages for clients, performing test installations.
- Preparation of accompanying documentation, training.
- Implementation of testing framework: moved from Oracle Database to H2 for in-memory use, splitting tests into different parts depending on their type (module, integration, etc.).
- Setting up CI builds for each category to run tests in parallel within each long-running build.

Technologies
Java, JavaScript, SQL, IBM DB2, Oracle, H2, Apache Tomcat, IBM Websphere AppServer, Maven, SVN, Git, IBM RTC, Jenkins, TeamCity.