



Petrenko Nikolay Alexandrovich

DevOps Engineer

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Brief information

- CI/CD integration;
- Creation, Maintenance of product infrastructure
- Docker & k8s experience;
- Building projects using npm & maven
- Collecting and visualizing metrics using Grafana, Prometheus;

Technical skills

Programming languages: *Bash, Python*

DBMS: *MySQL, PostgreSQL, MongoDB*

Tools: |

Docker, Jenkins, Gitlab CI, Github Actions, Ansible, Terraform, Nginx, Kubernetes, Helm, Wireguard, Grafana, Prometheus, Loki, AWS, Yandex Cloud, self-managed GitLab, Maven, Nexus, HashiCorp Vault, HashiCorp Vagrant, Istio, ELK stack, Git

OS: *Linux*

Professional background

ООО ФБЮЖН

staff DevOps engineer

Duties

- *Maintenance of Linux cloud services;*
- *K8s clusters setup;*
- *Making, renewing, connecting certificates;*
- *Creating automatization scripts;*
- *Making and setup instances for applications.*
- *CI/CD setup using GitLab CI/CD & Jenkins;*
- *Creating ansible-playbook for auto-updating LTS version of Jenkins Controller;*
- *Deployment of dev environment using Terraform;*
- *Maintenance of self-hosted GitLab;*
- *Optimization of docker files to save space;*
- *Collecting and visualizing metrics with Grafana, Prometheus;*

Achievements

- *Reduced docker image size after building;*
- *Writing own helm charts;*
- *Set up pipeline completion alerts in Telegram;*
- *Set up local runners and attached them to Gitlab CI/CD;*
- *Closed access to infrastructure through Wireguard VPN;*



ООО ФБЮЖН, NDA Invoice generator

Project description

An application for business that allows to generate reports and bills based on given configuration. The app replaces routine work of accountants and speeds up customer billing process.

Role in project

Dev-Ops engineer, Middle

Duties

- *Writing dockerfiles, manifests, helm charts for microservices*
- *Deployment of microservices to k8s*
- *Secret management using hashicorp vault*
- *Mounting of secrets to k8s using Sidecar*

Achievements

- *Fully automatized building and deployment*
- *Setup of kafka, rabbit, postgres, elasticsearch for microservices*
- *Added grafana/prometheus monitoring*

Stack

Java 17 / Spring Boot / Data JPA / Security / Postgres / Kafka / Swagger / KeyCloak

Team

1 Back-End Developer, 1 Front-End Developer, 1 PM, 1 DevOps, 1 QA



Brief

An app for buying and selling personal time. User can set free days and time for joint leisure

Role in project

DevOps engineer, Middle

Duties

- *Maintenance of Gitlab repository and giving access for the team*
- *Making docker container for the app;*
- *Writing scripts for deployment automatization;*
- *Creation and setup of application instances;*
- *CI/CD setup using GitLab CI/CD;*
- *Nginx server setup for proxying traffic;*
- *Dockerfile Optimization to save space;*
- *Collecting and visualizing metrics using Grafana, Prometheus*

Achievements

- *Image size reduction;*
- *Setup of load balancer for API;*
- *Built building and running using docker compose;*
- *Set up CI/CD pipelines for different environments.*

Stack

TypeScript, React, Redux-Toolkit, RTK Query, Express, PostgreSQL, TypeORM, Redis, Node.js SonarQube

Team

1 FE, 2 BE, 1 Mobile, 1 QA, 1 PM, 1 DevOps



ООО ФБЮЖН, Slack analog + CRM, NDA

Project description

Slack analog + CRM. An app includes CRM and internal chat for a company. It allows to register individual subdomains for each company and manage employee list.

Role in project

DevOps engineer, Middle

Duties

- *Making docker container for the app;*
- *Yandex Cloud setup;*
- *K8s cluster setup;*
- *Writing scripts for automatization of deployment application on server;*
- *Making and setup instances for application;*
- *CI/CD setup using GitLab CI/CD;*
- *Nginx server setup for proxying traffic;*
- *Dockerfile optimization to save space;*
- *Application auto healthcheck setup;*
- *Collecting and visualizing metrics using Grafana, Prometheus.*

Achievements

- *K8s Yandex cluster setup and deployment of application inside it;*
- *Metrics export to several Grafana dashboards;*
- *Writing ansible-playbook for auto-updating LTS-version of Jenkins Controller;*
- *Reduced docker images size after building.*

Stack

TypeScript, React, Redux-Toolkit, RTK Query, Express, PostgreSQL, RabbitMQ, TypeORM, Redis, Node.js

Team

1 FE, 2 BE, 1 Mobile, 1 QA, 1 PM, 2 DevOps



ООО ФБЮЖН, PSCalc

Project description

Online calculator for calculating education price in Australia.

Role in project

DevOps engineer, Junior

Duties

- *Making docker container for the app;*
- *Writing scripts for application deployment automatization on server;*
- *Making and setup of instances for application;*
- *CI/CD setup using GitLab CI/CD;*
- *Nginx server setup for proxying traffic;*
- *Optimization of docker files to save space;*
- *Application auto healthcheck setup;*
- *Collecting and visualizing metrics using Grafana, Prometheus;*

Achievements

- *Metrics export to several Grafana dashboards;*
- *Reduced docker images size after building.*

Stack

SwiftUI, RestApi, Combine, Moya, SwiftLint, RSwift, UserDefaults, GIT, React, Redux, React Native, TypeScript, MobX

Team

1 FE, 2 BE, 1 Mobile, 1 QA, 1 PM, 1 DevOps



Additional information

Education

Southern Federal University, Taganrog city

Information Systems and Technologies ICTIS, 2024

Foreign languages

- *English – A2*
- *Japanese – N5*

