Alexey Shmykov

Tbilisi, Georgia

✉ cptmutchell@gmail.com

in linkedin.com/in/cptmutchell

Summary

Continuously studying software developer since summer of 2019.

My DevOps experience: At work I am sometimes asked to deploy 3rd party applications on our stage. To complete this task I have to "crack down" a Dockerfile if it exists and edit it to our standards or create it from scratch. Then I have to create Jenkins pipeline to build, dockerize and deploy this app to Openshift. For this I have to create Kubernetes yaml manifests.

But most DevOps experience I have got working under my own project:
I deployed k3s cluster on my local machine for testing and automated k3s cluster build on GCP with Ansible. Ansible roles allow me to automate cluster build, deploy Helm charts required for my application (Traefik, RabbitMQ, Metallb). I created Helm templates for my application and I use Helm for deployment. To deliver code I use Jenkins, also built and configured with Ansible and JCASC on another GCP VM. I cared about cluster security, so Jenkins has its own kubeconfig with permissions, limited to a specific namespace. Ansible allows me to build k3s cluster and Jenkins on any VM, just need to substitute ip addresses and path to ssh private keys in inventory file.

My frontend experience:
I studied it myself on my project. There I use Scss, ReactTS for development and Nginx as web server. I know how to use routes, secured routes, hooks and how to create responsive layout.
At work I asked for frontend tasks to get commercial experience, there I got experience with AntD UI library, ReactTS

My Java experience:
At work I mostly develop microservices with Spring Boot and Security. Sometimes there are tasks to create Postgres views to get grouped data from multiple tables for our frontend team or integrate a service with RabbitMQ. For these services I prepare a Jenkins pipeline and a dockerfile for further deployment to Openshift. Also in order to extend and support our Jenkins I create new Groovy methods

Experience

🏢 Java Developer
Smartsoft

Sep 2020 - Present (2 years 3 months +)
As a Java developer I create Spring web services, write jenkinsfile, dockerize them and deploy to Openshift. Sometimes I do help with frontend apps (React) and drink coffee. The code quality is checked by Sonarqube's quality gates and test coverage.
One of the projects I have been working under with a collegue is repository parser. It retrieves different (around 40 metrics) data like paths, insides of sql scripts , e.t.c and builds JSON file with comprehensive information about a repo. Aside from writing parsing and data retrieval logic I helped to create sql views to group by the data for frontend team for further representation.
My other noticable projects are:

1. Admin ui, this service allows a customer to administrate a third party application. which is configured via PostgresDB, ui is a user friendly tool and backend side validates all the data, so no incorrect data goes to the configuration database. I do both frontend and backend on that project.
2. Testing protocol document generator which saves time of the QA team. It retrieves data from the testing database and substitutes to .docx protocol, the testers don't have to manually perform SELECT queries

Education

Moscow Power Engineering Institute (Technical University)

Master's degree, Energy Management and Systems Technology/Technician

Sep 2019 - Jul 2021

Kazan State Energy University

Bachelor's degree, Electrical, Electronics and Communications Engineering

Sep 2015 - Jul 2019

Skills

RabbitMQ • Jenkins • Helm Charts • Kubernetes • Ansible • React.js • PostgreSQL • Spring Boot • Java • Spring Security