Alexey Shmykov

✉ cptmutchell@gmail.com

in linkedin.com/in/cptmutchell   🔗 https://cbr-frontend.cptmutchell.xyz

Summary

Continuously studying software developer since late 2019.
During university studying I created:
1. Java GOOSE-messages parser. It reads traffic from network card like Wireshark and shows on JavaFx gui (https://github.com/CPTMUTCHELL/GOOSE_Parser)
2. Relay-protection algorithm on Java (https://github.com/CPTMUTCHELL/Relay-protection-algorithms)

During my free time I'm used to study new technologies and implement them to my project:
1. Currency converter. Converts currencies according to Russian Central Bank rates, stores the history and supports JWT role-based authentication and authorization. It can be run in docker-compose, in local k8s cluster or on a cloud provider (https://github.com/CPTMUTCHELL/cbr-currency-converter/tree/k8s)
For example, Swagger for auth-service is available here: (https://cbr.cptmutchell.xyz/backend/auth/swagger-ui.html#/)
2. UI for Currency converter is built with React TS. I tried not to use libraries, but to write my own styles and components. (https://github.com/CPTMUTCHELL/cbr-currency-converter-ui). The result can be seen here: (https://cbr-frontend.cptmutchell.xyz/)
For this project I managed an automatic infrastructure bulid of a k3s cluster and application of required yaml manifests, kubeconfig creation for Jenkins user, restricted to a specific namespace for the security, on one VM and Jenkins with pre-created pipelines and github web-hooks on another with Ansible. Both apps are deployed to the k3s cluster by Helm on Digital Ocean, however I worked a little with GCP, creating Service Accounts and transferring ca.json to Jenkins via gcloud CLI

Experience

Java Developer
Smartsoft
Apr 2021 - Present (1 year 4 months +)
As a junior 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.
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 past noticable projects are:
1. Admin ui, where I drew the model in draw.io for our designer and then helped to create an admin ui for one of our projects
2. Testing protocol document generator which saves time of the QA team

Education

Moscow Power Engineering Institute (Technical University)
Master's degree, Energy Management and Systems Technology/Technician

Sep 2019 - Jul 2022

Kazan State Energy University

Bachelor's degree, Electrical, Electronics and Communications Engineering
Sep 2015 - Jul 2019

Skills

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