Stefan
Genov

DATE OF BIRTH:
11/07/1994

CONTACT

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WORK EXPERIENCE

01/2016 – 07/2016 – Plovdiv, Bulgaria

Full Stack Developer

Programista

Student internship. I worked as a PHP developer using Laravel as a framework and MySQL as a database. Build a lot of small sites and we had assignments to design different web pages.

11/07/2016 – CURRENT – Plovdiv, Bulgaria

Developer

Enigma Soft LTD

Full stack PHP Developer with a focus on Backend. Worked with Cassandra, PHP, HMTL/CSS, Javascript. We've developed multiple websites (one project with an API and Front-End part and the purchase system of the company).

Got promoted to DevOps 2018.

Apart from working as a PHP Fullstack developer I also work as a Devops Engineer. I've used technologies like Bamboo, Chef, AWS. Deployed multiple environments to production.

One of the projects that has been deployed to production was done by using AWS. I've single handed set-up the entire infrastructure in AWS, configured automatic deployments, builds and testing. I've setup 2 environments, one for production and one for stage. Setup alarms and monitoring as well as logging.

Another project that was deployed to production and stage was using Kubernetes. I've built docker images for all the services in the project, hosting them in ECR. I've setup a Cassandra cluster in the Kubernetes cluster which is all brought up and scaled down if needed automatically without any operator interference needed. I've setup logging (EFK) and monitoring (Grafana, Prometheus, node-exporter, cAdvisor). I have successfully configured the services with High Availability and I have configured zero downtime rolling upgrades as well as horizontal pod autoscaling. All of the services deployed have liveness probes, readiness probes, securityContexts preventing any privilege escalations. All of the services have been packaged into private helm charts using S3 as a private Helm Repo.

I have written ansible scripts that setup the entire K8S environment. They are capable of setting up a single master cluster or a multiple stacked master cluster. All of the scripts are super customizable where deemed fit. All of the scripts have a bunch of checks to confirm that everything has been successfully setup, they are fully idempotent and can be run in sections due to tags in case of failure.

EDUCATION AND TRAINING

Taken A Course for CKA

Udemy

https://www.udemy.com/course/certified-kubernetes-administrator-with-practice-tests/

LANGUAGE SKILLS

MOTHER TONGUE(S): Bulgarian

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C2	C2	C2	C2	C1

DIGITAL SKILLS

Amazon Web Service (AWS) / Docker / Kubernetes / Linux / Ansible / Prometheus / Grafana / EFK (Elastic search, Fluentd, Kibana) / PHP / Nginx / Cassandra DB / MongoDB / Memcached / Redis / NodeJS / VueJs3 / Webpack / Babel

CREATIVE WORKS

EventRequest, a backend framework for NodeJS

I have written this framework to use for myself mainly. I've tried to make it as fast as possible and as customizable as it can be. I've been working on this on and off for almost 3 years now.

https://www.npmjs.com/package/event_request

Other creative works

You can checkout all my open source projects on:

https://stefangenov.site/projects#load

ServerEmulator

A simple storage app that emulates the file system. Supports streaming, user management, acls.

Written in VueJS3 and EventRequest

https://www.npmjs.com/package/server-emulator

HOBBIES AND INTERESTS

NodeJS

Non professionally I've done numerous Open Source projects with NodeJS as a backend, mostly using my custom framework.

As a front-end framework I've been using VueJS as well as plain old Javascript. I am well familiar with Using TailwindCSS as a CSS framework.

https://stefangenov.site/projects#load

Ansible

I have written multiple ansible scripts and am constantly adding more as I need them, mostly targeting Ubuntu-20.04 as an OS.

https://stefangenov.site/projects#Ansible%20Role%20docker https://stefangenov.site/projects#Ansible%20Role%20helm https://stefangenov.site/projects#Ansible%20Role%20kubernetes_preflight https://stefangenov.site/projects#Ansible%20Role%20kubernetes_cluster https://stefangenov.site/projects#Ansible%20Role%20kubernetes%20master%20security