



# Stefan Genov

Senior Software Engineer and DevOps

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July 11, 1994

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Stefan Genov

Michaelpalacce

Stefan Genov

Proud father, husband to an amazing wife.

Linux user, Neovim enjoyer. Owner of "too much" server equipment.

## WORK EXPERIENCE

### VMware/Broadcom

(August 01, 2021 - Present)

Senior Cloud Automation Developer

Utilizing comprehensive expertise to support businesses in identifying and addressing their software and virtualization requirements. Primarily serving in the capacity of a Technical/Team Lead, responsible for orchestrating and guiding teams toward successful project outcomes. Instrumental in delivering a diverse array of tailored solutions, encompassing intricate software architectures and robust virtualization frameworks. Noteworthy achievements include spearheading the establishment of foundational infrastructure tailored to client specifications, ensuring seamless integration and optimal performance. Demonstrated ability to navigate complex technological landscapes and translate client objectives into tangible, innovative solutions.

### EnigmaSoft Limited

(July 01, 2018 - August 01, 2021)

DevOps Engineer

I got promoted to the position of DevOps Engineer in 2018. In this capacity, I undertook the architecting and construction of stage, pre-live, and live infrastructures leveraging AWS technologies, alongside Cassandra, PHP, Javascript, and HTML/CSS. Employing AWS OpsWorks and Chef for seamless server deployment, I meticulously orchestrated the setup and maintenance of several project environments. Demonstrating proficiency in containerization, I successfully dockerized three applications, streamlining development workflows and enhancing portability. Moreover, I engineered a streamlined development environment using docker-compose, facilitating rapid setup and consistency across team members. My expertise extended into the realm of Kubernetes (K8S) orchestration, where I played a pivotal role in establishing and managing K8S clusters for project deployments. These clusters boasted advanced features including autoscaling capabilities, zero-downtime rolling updates, and robust logging and monitoring mechanisms comprising Prometheus, node-exporter, Grafana, and the EFK stack. Additionally, I honed my proficiency in Helm, packaging projects into private Helm charts for seamless deployment within Kubernetes environments. Demonstrating a commitment to robust infrastructure and security practices, I authored numerous Ansible scripts, encompassing tasks ranging from setting up Docker, Helm, and K8S binaries to configuring multi-master stacked K8S clusters and implementing cluster security measures aligned with CISecurity benchmarks. Through these initiatives, I ensured the resilience, scalability, and security posture of our project environments, contributing significantly to the overall success and efficiency of our development initiatives.

### EnigmaSoft Limited

(July 01, 2016 - August 01, 2018)

Software Engineer

Commencing my professional journey as a Full Stack Developer proficient in PHP, I undertook a multifaceted role encompassing the mastery of PHP, Javascript, Cassandra, and AWS services. Embracing a rigorous test-driven development approach and adhering steadfastly to agile principles, I diligently contributed to the evolutionary progression of our projects.

### Programista

(January 01, 2016 - July 01, 2016)

PHP Developer

Internship with PHP, HTML, CSS, JS

## EDUCATION

### Plovdivski universitet 'Paisii Hilendarski'

Bachelor, Bioinformatics

Stopped studying to focus on work and personal development. Uni was focusing too much on biology and my career was leaning towards IT

## LANGUAGES

### TypeScript

●●●●●●

### JavaScript

●●●●●●

### Node.js

●●●●●●

### PHP

●●●●●●

No I don't want a job with php

### Python

●●●○○○

### Java

●●●●○○

### Go

●●●●●○

### Lua

●●●○○○

### HTML/CSS

●●●●●●

No CV is complete without adding html/css

## CLOUD

### AWS

●●●●●○

### DigitalOcean

●●●●○○

## VIRTUALIZATION

### Proxmox

●●●●○○

### ESXi

●●●●○○

### vCenter

●●●●○○

### Aria Automation

●●●●●●

### Aria Orchestrator

●●●●●●

## FRAMEWORKS

### VueJS

●●●●○○

### Gin

●●●●○○

### Symfony

●●●●○○

### Kubebuilder

●●●●○○

## CONTAINERS

### Docker

●●●●●●

### K8S

Awesome tool!

●●●●●●

### Docker Compose

●●●●●●

### Docker Swarm

●●●●●●

### Tanzu

●●●●○○

## DEVOPS

### Ansible

●●●●●●

### Jenkins

●●●●○○

### Chef

●●●●○○

### Atlassian Products

●●●●○○

### TeamCity

●●○○○○

### Linux

●●●●●●

## DATABASES

### Cassandra DB

●●●●●●

### Mongo DB

●●●●○○

## INDUSTRY KNOWLEDGE

### Agile

●●●●○○

Yey

## OTHER

### Git

●●●●●●

### Maven

●●●●○○

### Vim

Master hjkl-er

●●●●○○

## APIS

### REST

●●●●●●

Who doesn't?

### SOAP

●●●●○○

Who does?

### Websockets

●●●●○○

## TESTING

### PHPUnit

●●●●●●

### Jest

●●●●○○

### Jasmine

●●●●●●

### EventRequest Test Suite

I wrote it

●●●●●●

### Junit

●●●●○○

### Mockito

●●●●○○

### Ginkgo

●●●●●●

### Gomega

●●●●●●

## OBSERVABILITY

### Prometheus

●●●●○○

### Grafana

●●●●○○

### Loki

●●●●○○

### Elasticsearch

●●○○○○

### Promtail

●●●●○○

## INTERESTS

### Self Hosting

### Gamer

### Avid Reader

### Anime

### Programming

### Cooking

## LANGUAGES

### Bulgarian

I was born with it

●●●●●●

### English

I am living with it

●●●●●●

## PROJECTS

### EventRequest

(July 01, 2017 - Present)

NodeJS Web framework

Fast, zero dependencies, fully documented, 100 % test coverage.

[https://www.npmjs.com/package/event\\_request](https://www.npmjs.com/package/event_request)

### Go DDNS Controller

(December 01, 2024 - Present)

DDNS

Don't have to pay for a static IP? Well, do I have the tool for you! (WIP for providers)

Didn't find alternatives when building this, turns out it's a DDNS.

<https://github.com/Michaelpalacce/go-ddns-controller>

### HomeLab

(August 01, 2021 - Present)

My HomeLab

Things I'm working on with whatever little time I have.

Read the ``README.md`` for better understanding

<https://github.com/Michaelpalacce/HomeLab>

### .dotfiles

Files of Dot

Some automated scripts to set up my environment. Automation, OOTB capabilities are prioritized where possible.

<https://github.com/michaelpalacce/.dotfiles>

### HomeLab-iaC

HomeLab iaC

Work In Progress

<https://github.com/Michaelpalacce/HomeLab-iaC>

### go-btva

BTVA Setupper

Sets up <https://github.com/vmware/build-tools-for-vmware-aria> and the minimal infra

<https://github.com/Michaelpalacce/go-btva>

### BTVA

Build Tools For VMware Aria

Core maintainer, community support

<https://github.com/vmware/build-tools-for-vmware-aria>

### Software Testing Enterprise Framework (STEF)

Integration Testing tool

Sole developer of an integration testing tool used internally. Written as a PoC in my free time.

## VOLUNTEER EXPERIENCE

### VMware

Lector

Responsible for teaching students about DevOps technologies. Lead a course, followed by an extensive demo!

## CERTIFICATIONS

### Certificate Of Advanced English

Cambridge