Stefan Genov
Senior Software Engineer and DevOps

Proud Father, husband to an amazing wife.
Linux user, Neovim enjoyer. Owner of "too much" server
equipment.

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👤 Stefan Genov
👤 Michaelpalacce
in Stefan Genov

INTERESTS

Self Hosting	Gamer
Avid Reader	Anime
Programming	Cooking

LANGUAGES

Bulgarian	English
Beginner	Beginner

PROJECTS

EventRequest (July 01, 2017 - Present)
NodeJS Web framework
Fast, zero dependencies, fully documented, 100 % test coverage.
🔗 https://www.npmjs.com/package/event_request

goip (December 01, 2023 - Present)
DDNS
Don't want to pay for a static IP? Well, do I have the tool for you! (If you are using Cloudflare) Didn't find alternatives when building this, turns out it's a DDNS.
🔗 https://github.com/Michaelpalacce/goip

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

NAT
Node Aria Tools
https://github.com/vmware/build-tools-for-vmware-aria is slow due to `mvn`, this doesn't.
🔗 https://github.com/michaelpalacce/NAT

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

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
University was a waste of time, money and effort. Incredibly slow and easy. Decided to pursue my career in Software Engineering. Decided to stop the 4th year.

LANGUAGES

TypeScript	JavaScript	Node.js
PHP	Python	Java
No I don't want a job with php		
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	

CONTAINERS

Docker	K8S
	Awesome tool!
Docker Compose	Docker Swarm
Tanzu	

DEVOPS

Ansible	Jenkins
Chef	Atlassian Products
TeamCity	Linux

DATABASES

Cassandra DB	Mongo DB
Elasticsearch	

INDUSTRY KNOWLEDGE

Agile	
Yey	

OTHER

Git	Maven
Vim	
Master hjkl-er	

APIS

REST	SOAP
Who doesn't?	Who does?
Websockets	

TESTING

PHPUnit	Jest
Jasmine	EventRequest Test Suite
	I wrote it
Junit	Mockito