



# Nikola Milojević

## Experience

- October 2018–  
Currently **Head of Infrastructure/DevOps Team Lead**, *Mailerlite*, Lithuania/Serbia.  
At Mailerlite, I'm the Head of Infrastructure and DevOps Engineer in charge of shaping the user experience for 700.000 of our customers. I'm architecting our apps infrastructure and guidelines using Kubernetes, Docker, Google Cloud and AWS. In charge of all CI/CD processes and leading a team of talented DevOps engineers.
- May 2017–  
October 2018 **Senior DevOps Engineer**, *United.Cloud*, Serbia.  
Worked for the largest streaming company in the Balkans in charge of monitoring, backups, provisioning of the machines, etc. Managed over 300 bare-metal and 50 virtual machines. Some of the technologies I'm working on here are Ansible, Zabbix, Rundeck, Jenkins, ELK, Xenserver, Proxmox, Nexus, Gitlab, Docker and many more. My goal there was to make every development team to use pipelines and Git flow so we would have CI/CD for everything, automatically or on demand. Tools of the trade were InfluxDB, Grafana, Ansible, Zabbix, Jenkins, SonarQube, Rundeck, and many more.
- February 2016–May 2017 **Senior System Engineer/Devops**, *Knip AG*, Serbia/Germany/Switzerland.  
I was hired to Knip (<https://www.knip.ch>) to re-implement the server architecture and create a new cluster with our own servers in datacenter with VMWare vSphere and vCenter with HA and DRS. All the machines were migrated from Google Cloud to our own infrastructure. Also, I migrated all the Chef cookbooks to Ansible playbooks and written a dozen of playbooks for provisioning our servers and services. Besides this, I implemented Jenkins CI and Gitlab with several automatic deployments and tests of our mobile, backend and frontend applications using Docker and Docker Swarm especially with zero downtime deployment using Docker Flow Proxy and Swarm's native networking and rolling update services. Before that, tools of the trade were Consul and Registrator. Other things that I implemented were MariaDB multi-master replication cluster, PFSense site-to-site VPNs, etc. The other technologies I was using were HAProxy, Varnish, PHP, NGiNX, Redis, MongoDB, Zabbix monitoring and a lot more.
- April 2013–Present **Senior System Architect**, *Linum Internet Solution*, Serbia.  
Built a HA infrastructure for application using Proxmox as a hypervisor, with the whole infrastructure in clusters, including DRBD for storage cluster, MariaDB for multi-master cluster through HAProxy and Ansible for provisioning. Also, Docker was implemented for managing microservices, like Redis for php sessions and Zabbix was the choice of monitoring software.
- May 2014–  
February 2016 **IT Consultant/System Engineer**, *Prodyna AG*, Serbia/Germany.  
At Prodyna AG, I was the teamlead of application management department in Prodyna's Belgrade branch office and was in charge of procurement, installation and administration of client and server systems (Linux (Debian, Ubuntu, CentOS, Redhat, Archlinux), Windows and Mac), regular patching and upgrade of server and client systems, high availability servers setup and maintenance, and virtual infrastructures administration (VMware ESXi, Profitbricks, Hetzner, AWS, Proxmox, KVM, OpenVZ). Java was primary choice of developers so I installed and administrated Java and non Java (web) applications with Liferay, Tomcat, Wildfly and JBoss. Also, in one part of project we used SOLR and ManifoldCF, so I lead the integration and installation of those tools. CheckMK and Nagios were used for monitoring, and Ansible for provisioning and config management. Also, I was in charge of security and backup (rsnapshot, etc).

- October **System Administrator**, *Grafart d.o.o*, Serbia.
- 2011–May 2014 Some of the things I did at Grafart included planning and maintaining retail chain of giftshops "Trafika", opening new stores, budget planing and ordering it equipment (routers, workstations, scanners, printers, barcode scanners, etc), installation, configuration and maintenance of Windows Server 2003, 2008 R2, Ubuntu, CentOS servers, virtualization with Xen and Proxmox. Also, I used Mikrotik RouterOS to connect multiple retails with our main VPN server. I was also in charge of training the employees for work on our systems.
- October 2010– **System Administrator**, *Mozzart d.o.o.*, Serbia.
- October 2011– At Mozzart d.o.o I was in charge of managing betting and gambling places "Puma" and doing the maintenance, administration and installation of Windows and Linux workstations, and Mikrotik RouterOS as well. I had to provide highest possible uptime and security because of the sensitivity of the job.

## Skills

<b>OS</b>	Linux (Debian, Ubuntu, Arch, CentOS, SLES), macOS and Windows	<b>Networking</b>	PFSense, Mikrotik, OpenVPN, IPsec, L2TP, PPTP
<b>Microservices</b>	Kubernetes, Docker, Mesos	<b>Cloud</b>	Google Cloud, AWS, Azure
<b>Java</b>	Tomcat, JBoss, Wildfly	<b>Automation</b>	Ansible, Chef, Rundeck, Terraform
<b>Webservers</b>		<b>Monitoring</b>	Prometheus, NewRelic, DataDog, Zabbix, Nagios
<b>DB</b>	MySQL, PostgreSQL, MongoDB, Redis	<b>Webservers</b>	NGiNX, Apache HTTPD, Varnish and HAProxy
<b>Virtualization</b>	Docker, VMWare, Proxmox, LXD, VirtualBox, Vagrant	<b>Programming</b>	Python, Golang, Bash
<b>CI</b>	CircleCI, DroneCI, Jenkins, Teamcity, Gitlab	<b>Other</b>	Keepalived, Pacemaker, Corosync, macOS Server, ELK, Grafana
<b>Storage</b>	DRBD, GlusterFS		

## Interests

- o Electronics, gadgets, home automation, basketball, guitars and keyboards, music

## Languages

English	Highly proficient
German	Elementary
Serbian	Native

## Education

- 2003–2007 **Business administrator**, *High school of Economics and Law*, Kraljevo.
- 2007– **Bachelor of IT Engineering**, *VIŠER*, Belgrade.