



# Marijan Svalina

## Curriculum Vitae

*"For me, I am driven by two main philosophies: know more today about the world than I knew yesterday and lessen the suffering of others. You'd be surprised how far that gets you." - Neil deGrasse Tyson*

### About me

DevOps Engineer with professional experience in different fields. More than 8 years in operating systems and networks. More than 3 years with python development, and 1 year with PHP, MySQL, javascript web development. I also worked in various working environments. From corporate to startup including remote freelancing. I'm conscientious and extroverted, and I can work both alone and in teams.

### Education

- 2018 **10 Powerful Ways to Apply Behavior Design at Work with BJ Fogg**, *Stanford University Behavior Design Lab*.
- 2010–2014 **Graduate Study Program in Computer Engineering, branch: Process Computing**, *Josip Juraj Strossmayer University Of Osijek*, Faculty of Electrical Engineering. mag. ing. comp
- 2007–2010 **Undergraduate Study Program in Computer Engineering, branch: Computing**, *Sveučilište J.J. Strossmayera*, Faculty of Electrical Engineering. univ. bacc. ing. comp

### Certification

CCNA **Cisco Certified Network Associate**

*Algebra, Osijek, 21.03.2013*

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## Experience: Freelancing

2016–2019 **Developer, DevOps, HyHelp AG**, Frankfurt, [hyhelp.de](http://hyhelp.de).

Smart devices for hospitals - infection prevention. My roles were: Keeping system in regular technical state (~25 openwrt clients, ~25 rPi clients, 4 VPS with ~10 crucial services). Developing new features on all fronts. Building, improving and doing continuous deployment.

### Projects:

- Data analysis algorithms, reports, checks and calibration procedures (python).
- Tool for interfacing custom serial over bluetooth device (python). Features like configuration, firmware flashing, and other specific checks and procedures.
- Daily/monthly backup system with offsite and AWS S3 remotes.
- VPN with DNS server network design and implementation.
- Software and hardware recovery procedures on business domain, network and operating system level.

### Areas:

- OpenWrt: python, dropbear, iptables, rsync, busybox shell, uci
- Servers (CentOS, Ubuntu): openvpn, dnsmasq, rsyslog, openssh, systemd, iptables, nginx, apache, docker, git, bash, rsync, s3cmd, PHP, Symfony, python, flask, mysql
- Raspberry Pi: bash, systemd, lxde, chromium, cron watchdogs

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## Experience: Jobs

2016–2016 **Sysadmin, DevOps, Barrage d.o.o**, Osijek, [barrage.net](http://barrage.net).

Payment platform devops support, development and administration.

### Projects:

- Multi network OpenVPN implementation.
- Persistent SSH Tunnels implementation.
- Continuous Integration with Jenkins, git and nodejs implementation.
- Cryptocurrencies daemons configuration and administration.
- iptables firewall implementation.
- ElasticSearch setup for log analysis
- auditd configuration for system auditing

### Areas:

- Javascript, nodejs, git, SSL, bitcoin, auditd, ethereum, Mongo, redis, SSH, iptables, haproxy

2015–2015 **Junior Software Engineer, Inchoo d.o.o**, Osijek, [inchoo.net](http://inchoo.net).

Webshop application development based on Magento platform.

### Projects:

- Facebook Login functionality implementation.
- Order tracking information implementation.

### Areas:

- PHP, Javascript, git, jQuery, Magento

2014–2015 **Junior Software Engineer**, *Siemens Convergence Creators d.o.o.*, Osijek.  
Enterprise AAA - Authentication, Authorization and Accounting software development and testing.

**Projects:**

- Existing testing client software stack migration from Windows to Linux.
- Diameter application for proxy and caching development.

**Areas:**

- python, bash, Jenkins, git, Robot Framework, diameter

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## Experience: Student Jobs

2013–2013 **IT Specialist**, *Siemens Convergence Creators d.o.o.*, Osijek.  
Server room, network and servers administration and maintenance.

**Projects:**

- Open source virtual machines cloud solution research and implementation.

**Areas:**

- Solaris, Debian, RHEL, Proxmox VE, oVirt, KVM
- Network VLANs, ACL, Routing

2008–2014 **IT Support**, *Notary office Zdenka Pavelić-Musa*, Osijek.  
PCs, software, network, archives, printers: support, maintenance and administration.

**Projects:**

- Automated backup implementation.

2009–2012 **Helpdesk Callcenter Agent**, *T-Com*, Osijek.  
DSL, VoIP, IPTV technical customer support for Internet Service Provider.

**Projects:**

- Internal wiki setup based on MEDIAWIKI

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## Communication Skills

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|------|---------------------------------------------|------------------------------------------------------------------------------------------|
| 2014 | <b>GIT SCM Presentation and Workshop</b>    | <i>Talk and workshop for colleagues at Siemens about GIT version control techniques</i>  |
| 2017 | <b>Introduction to Bitcoin Presentation</b> | <i>Talk about Bitcoin at GreenRoom Festival in Valpovo</i>                               |
| 2018 | <b>Bitcoin Basic Concepts</b>               | <i>Technical talk about technology underlying Bitcoin, at Osijek Software City event</i> |

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## Languages

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|----------|-----------------|---------------------------------------|
| Croatian | <b>Maternal</b> |                                       |
| English  | <b>Advanced</b> | <i>Active in speaking and writing</i> |
| German   | <b>A1</b>       | <i>Duolingo Level 10 :-)</i>          |

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## Interests

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|---------------------------|--------------------------|
| - Running/Cycling/Fitness | - Mindfulness Meditation |
| - Writing                 | - Ethics Philosophy      |
| - Psychology              | - Design                 |

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