

# Jacek Szubert

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Skilled DevOps engineer with 6+ years of commercial experience around cloud computing, containerization, managing infrastructure as code, automation of software integration & deployment processes and systems & infrastructure security.

Key technologies: Linux, AWS, Docker, Kubernetes, Python, SaltStack.

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## Experience

2017–now **Senior DevOps Engineer**, *Bigtincan*, Sydney, Australia.

Designing, developing and maintaining cloud infrastructure and DevOps processes for highly available, global and serving high traffic, SaaS products. Utilizing multiple cloud-specific, open source and commercial components. Working on the following aspects:

- infrastructure management — implementing *everything as code* approach using AWS CloudFormation and other tooling;
- infrastructure and service monitoring, logging and alerting — using Grafana, InfluxDB, Graylog and other tools;
- continuous integration and deployment processes — Jenkins, SaltStack, Helm;
- infrastructure and systems security (including ISO 27001 requirements) — implementing and enforcing security best practices, intrusion detection and prevention, patching approach;
- containerizing projects and implementing container management platform — Docker, Kubernetes, Istio;
- supporting gradual migration from monolithic towards more granular, service oriented architecture.

Technologies: Linux, AWS, SaltStack, Docker, Kubernetes, Python.

2016 **Senior DevOps Engineer**, *eHealth Systems Africa*, Berlin, Germany.

Working on multiple cloud-based projects supporting public health in Western Africa. Implementing and optimizing infrastructure management approach, deployment strategies, monitoring solutions, mitigating security risks, reducing infrastructure costs.

Technologies: Linux, Ansible, Docker, Python, AWS, NewRelic, Travis CI.

2015–2016 **DevOps Engineer**, *SoftServe*, Wroclaw, Poland.

Developing cloud based infrastructure and CI & CD pipelines for web services.

Technologies: Linux, AWS, Docker, Jenkins, Python.

- 2013–2015 **Software Integration Engineer (SCM)**, *Nokia*, Wroclaw, Poland.  
Technical leader for DevOps/SysAdmin teams responsible for two large scale projects.
- Administration of physical and virtualised servers and storages.
  - Administration of Linux systems, including usage of configuration management tools.
  - Scripting in Bash and Python.
  - Developing continuous integration and release processes of C/C++ and Java projects.
  - Quality assurance — analysis using SonarQube, preparation for TL9000 audit.
  - Taking over a project from other company, responsible for both competence and infrastructure transfer.
- Technologies: Linux, Eucalyptus, Jenkins, Bash, Python, SonarQube, VMWare, Xen, HP Server Hardware.
- 2012 **OSS Technical Support — internship**, *Nokia Siemens Networks*, Wroclaw, Poland.  
Local laboratory administration, basic configuration and verification of OSS systems.

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## Education

- 2013–2015 **Master's degree**, *Wroclaw University of Technology*, Poland.  
Telecommunication — Mobile Networks.
- 2009–2013 **Bachelor's degree**, *Wroclaw University of Technology*, Poland.  
Electronics and Telecommunication — Information and Communication Networks.

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## Skills

- os Linux — RHEL and Debian based distributions.
- cloud Amazon Web Services — wide variety of services, managing infrastructure with AWS CloudFormation and Terraform.  
Eucalyptus.
- cm SaltStack, Ansible, basics of Chef and Puppet.
- containers Docker, Kubernetes, AWS ECS.
- scripting Python, Bash, basics of: Node.js, Golang, Groovy.
- monitoring InfluxDB, Grafana, NewRelic, AWS CloudWatch.
- vcs GIT, Subversion.
- ci Jenkins, Travis CI, LambCI, AWS CodePipeline.
- virtualization Citrix XenServer, VMware vSphere.
- networking Practical understanding of TCP/IP networks, configuring network elements, troubleshooting; VPCs.
- rdms MySQL, PostgreSQL.
- nosql ELK stack, basics of CouchDB.
- web servers Apache, Nginx
- code analysis SonarQube and related tools.
- hardware HP Server Hardware, NetApp.

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## Training and certifications

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|-----------------|---|
| cloud computing | AWS Certified DevOps Engineer — Professional,<br>AWS Certified Developer — Associate. |
| embedded        | Designing Embedded Systems with Yocto (Doulos).                                       |
| networking      | Cisco Certified Network Associate.  |

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## Languages

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|---------|----------------------------------|
| english | professional working proficiency |
| polish  | native                           |