Jack Szubert

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Experienced DevOps engineer working with cloud computing, containerization, managing infrastructure as code, automation of software integration & deployment processes and systems & infrastructure security.

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

Experience

2021 — **Senior DevOps Engineer (Contract)**, *Healthdirect Australia*, Sydney, Australia.
Working on cloud based healthcare related projects.
- modernizing AWS cloud infrastructure — upgrading the stack, migrating to AWS Managed services;
- migrating applications to containers — Docker, AWS ECS;
- improving operational and security posture — implementing security patching and monitoring processes, implementing best practices across the infrastructure;
- deploying and maintaining new application — AWS Serverless services, AWS ECS, AWS Code services.
- cost optimization.

Technologies: AWS, Docker, Linux, Python.

2019–2021 — **Lead DevOps Engineer**, *Fat Zebra*, Sydney, Australia.
Leading a small DevOps team.
- migrating applications to containers — Docker, AWS ECS;
- implementing infrastructure as code approach — Terraform, Serverless Framework;
- improving application and infrastructure security, including PCI DSS;
- implementing distributed tracing/logging;
- building and optimizing CI/CD pipelines — Buildkite;
- optimizing availability, scalability and infrastructure costs.

Technologies: AWS, Terraform, Linux, Docker, Python, Golang, Ruby, Buildkite, Ansible, Serverless.

2017–2019 — **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:
- implementing infrastructure as code using AWS CloudFormation, Sceptre, Troposphere;
- infrastructure and service monitoring, logging and alerting — using Grafana, InfluxDB, Graylog and other tools;
- continuous integration and deployment processes — Jenkins, SaltStack, Packer, 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 (microservices).

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

2017–2018 — **Senior DevOps Consultant (Contract)**, *Consegna Cloud*.
Part time consulting around AWS native DevOps delivery.

Technologies: AWS, Docker, Linux.

2016 — **Senior DevOps Engineer (Contract)**, *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.

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.

Skills

cloud	Amazon Web Services — wide variety of services, managing infrastructure with AWS CloudFormation (including Sceptre, Troposphere) and Terraform. Eucalyptus.
containers	Docker, Kubernetes, AWS ECS.
scripting	Python, Bash, Golang, basics of: Ruby, Node.js, Groovy.
cm	Ansible, SaltStack, Chef, basics of Puppet.
os	Linux — Red Hat and Debian based distributions, Alpine.
monitoring	DataDog, NewRelic, InfluxDB, Grafana, AWS CloudWatch.
ci	Buildkite, Jenkins, Travis CI, LambCI, AWS CodeBuild, AWS CodeDeploy, Bamboo.
rdbms	MySQL, PostreSQL.
nosql	Elasticsearch, AWS DynamoDB, basics of CouchDB.
web servers	Apache, Nginx, HAProxy, Envoy.
networking	TCP/IP networks, VPCs.
compliance	PCI DSS, ISO 27001.
virtualization	AWS EC2, Citrix XenServer, VMware vSphere.
vcs	GIT, Subversion.
other	Packer

Training and certifications

cloud	AWS Certified DevOps Engineer — Professional, AWS Certified Developer — Associate.
embedded	Designing Embedded Systems with Yocto (Doulos).
networking	Cisco Certified Network Associate.