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DevOps Engineer

Specialties: Kubernetes, Docker, Linux, Java, Maven, Ansible

Skills Summary

Domain	Skills
Virtualization & Containerization	Docker, Kubernetes , AWS, KVM, LXC, Swarm, DC/OS, Packer, Vagrant, VMWare
Deployment tools	Helm, Ansible , Puppet, Preseed, Kickstart
OS	Debian, Mint , Ubuntu, CentOS, RedHat, Fedora, Freenas, OPNSense , PFSense, IPCop
Development tools	Git, Maven, Gradle, Jenkins, Gitlab , Bamboo, Sonar, Nexus, JIRA, Redmine
Programming languages	Java , Groovy, Python, Bash
Methodologies	UML, Design Pattern GRASP & GOF, Agile
Log management	ELK (ElasticSearch, Logstash, Kibana), Fluentd
Testing tools	Selenium, Gatling
Other tools	Haproxy, Xwiki, Confluence, Apache httpd, Nginx, JBoss, Tomcat, Cassandra, Redis, Drupal, Joomla, Junit, Jmock, Mockito, Jacoco
Frameworks & APIs	Spring (IoC, AOP, MVC), GWT, SLF4J, Logback
Languages	French (Mother tongue), English (Fluent), German (good, approx C1/C2)

Trainings and Certifications

Date	Training	Certification
01.2020	Cloud Native Certified Kubernetes Administrator	CKA
02.2020	Service Mesh with Istio	
02.2020	Certified Kubernetes Application Developer	CKAD
03.2020	Helm Deep Dive	
03.2020	Monitoring Kubernetes With Prometheus	
03.2020	Google Cloud Essentials	

Professional experience

2018-2020 (2 years) DevOps Engineer - *Onpex (Munich)*

- Migrate the Puppet deployment code base code to Ansible (*Puppet, Ansible*)
- Build a Kubernetes cluster in AWS (**Kubernetes**, *Kops, EKS*)
- Maintaining automatic deployment pipelines (*Kubernetes, Helm, Gitlab*)
- Dockerize applications (*Docker, Maven*)

2016-2018 (2 years) - DevOps Engineer - *Travian Games (Munich)*

- Build a containerisation scalable infrastructure (**Kubernetes**, *DC/OS, Docker, Packer, Vagrant*)
- Build a CI/CD Pipeline with one of the development team
- Refactoring of the configuration management code base (*Puppet, Python, Git, Stash*)

2016 (7 months) - Build Engineer - *Workday (Dublin / Munich)*

- Deployment of a CI environment using Jenkins on a Docker cluster with a centralized log management system (**Ansible, Docker, Swarm, Consul, Registrator, Elasticsearch, Fluentd, Kibana, Jenkins**)
- Writing scripts to automate data updates between webservices (*Groovy, Bamboo, JIRA, Confluence*)
- Partial migration from Ant (*Ant, Gradle*)

2016-2010 (5 years) - DevOps Engineer - *Thales Services (Paris)*

Software development park management

- Creation of masters for development computers (pre-equipped and pre-configured); *Ubuntu (10.04, 11.04, 12.04, 13.04); Mint (14, 15); Debian (6.0, 7.0, 8.0)*
- Implementation of a mass cloning infrastructure based on (*Clonezilla*) to provision pre-configured developer computers on the fly
- Automated park Inventory (*OCS Inventory NG and GLPI*)

Packaging, integration and industrialization of deployments

- Automating deployment of hypervisors (*Preseed, Puppet, Ansible*)
- Automating deployment of virtual machines (*Shell Scripts, then Python specific development*)
- Building Maven projects dedicated to native packaging of components in the Debian format (*Jdeb*)
- Setting up a continuous deployment process including a platform specific settings (*Ansible*)
- Setting up a log management architecture (*ELK: Elasticsearch, Logstash, Kibana*)
- Implementing of a performance monitoring architecture (*Munin*)

Implementation, deployment and maintenance of a software development platform:

Platform used by a team of 60 people

- **Continuous integration** (*Maven, Hudson / Jenkins*)
 - **Continuous deployment** (*Jenkins, Debian, Ansible, Docker*)
 - Collaborative Document Management (*Xwiki*)
 - Issue and Bugs tracker (*JIRA*)
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- Configuration management (*SVN, Git*)
- Qualimetry: Sonar, Squale (*PMD, FindBugs, Checkstyle, Metrics*)
- Binary deposit management (*Nexus*)
- Centralized authentication (*OpenLDAP*)
- Security and Network (*PFSense*)
- Highly available unified access portal for previous web services (*haproxy, apache httpd*)

Integration and testing platform:

- Installation and configuration of 40 hypervisors (*VMWare ESXi/vSphere for more than 2 years, KVM for 2 years, partial migration to **Docker** during the last year*)
- Managing integration and test platforms (*about 800VMs 20 platforms, 40 servers per platform*)
- Daily deployment of whole platforms from OS to application softwares (*VM 40, 35 Jboss, 2 Postgresql, 2 Cassandra, 10 Redis, 2 ActiveMQ, 6 lemondap-ng, 10 apache httpd*)
- Deployment of an infrastructure of acceptance tests (*Selenium Hub + ubuntu & windows nodes*)

Referent on software integration and system integration

- Implementation of the Maven architecture (*Maven3, Corporate POM, BOM, automated delivery projects, archetypes*)
- Responsible for the quality of system versions (*weekly releases*)
- Development and production teams Support

2010 (3 months) - Devops Engineer & Software Developer - *Thales Services (Paris)*

1 development mission, 2 system administration missions

- Development of a demonstrator for RATP (french trains company) (3 months)
- Deployment and administration of the development server (used by fifteen developers)
- Creation of Linux masters for development laptops
- Deployment of pre-configured development laptops

Linux Ubuntu 10.04 - 64 Bit, Linux CentOS 5.5, Eclipse 3.5 JEE, Java/JEE 1.6, VMWare ESXi, vCenter, GWT, SmartGWT, Hibernate, SLF4J, Logback, JDepend, PMD, Checkstyle, FindBugs, JUnit, Emma

2010 (2 weeks) - Quality Auditor - *Thales Services (Paris)*

- Quality audit of the JEE application Gesplan

Java JEE 1.6, Spring 2.5, Struts2, Hibernate, Eclipse 3.5 JEE, JDepend, PMD, Checkstyle, FindBugs, JUnit, Emma

2010-2009 (6 months) - Software Developer - *Thales Services (Paris)*

1 development mission, 2 system administration missions

- Development of a public transportation management application
- Creating a development station master
- Installing a Linux Debian development server (5.0)

Java JEE 1.6, AspectJ, Spring 2.5, GWT GWT 1.7 & 2.0, GXT, WSDL, Eclipse 3.5 JEE, Subversion, Redmine, Maven 2, JDepend, PMD, Checkstyle, FindBugs, JUnit, Emma, Test Driven Development, Pair Programming, Iterative schedule

2008-2009 (1 year) - Software Developer - *Thales Air Systems (Paris)*

5 development missions, 2 system administration tasks

- Design and development of a simulation framework (3 months)
- Design and development of a persistence framework (3 months)
- Participation in the development of a windowing API OpenGL (2 months)
- Changes in the Comet tool, multi-language code generation tool (2 months)
- Development of a model transformation tool M2M of communication interfaces (2 months)
- Deployment and administration of the development server (used by about 30 people spread over 3 services)
- Automating deployments of development laptops

Java J2SE version 1.6, Maven 2 Eclipse 3.5, Subversion, Redmine, GOF Design Patterns & GRASP

2006-2008 (2 years) - Software Developer - *Thales EPM (Paris)*

3 development missions

- Analysis and design of a data export engine (18 months)
- Designing an electronic component reduction module (2 months)
- Designing a calculation engine based on finite difference applied to thermal science (4 months)

Java J2SE version 1.4 & 1.6, Eclipse 3.4 / 3.3 / 3.2

2005-2006 (1 year) - Consultant & Trainer - *CMS Informatic (Paris)*

Training, development and administration

- Preparation and delivery of technical training courses (English and French)
- System and network administration.
- VBA development

Education

Date	certificate
2003-2008	Engineering degree by apprenticeship, specialty in computer science, IFIPS, Orsay
2002-2003	CPGE TSI, electronic and mechanical, RUEIL MALMAISON
2001-2002	Bachelor with specialty in electronic (honors), Carrières sur Seine

Various

- Ability to work on projects classified as secret defense in France
- Hobbies/Interests: Swing dancing, Boxing, Trading, Permaculture, Ericksonian Hypnosis