Curriculum Vitae

Personal Data

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Date of birth: *by request*
Place of birth: *by request*

Professional Career

07/2015 until now	Employment for the **Otto (GmbH & Co KG)**, Hamburg, Germany as **senior software developer – DevOps**. My responsibilities are amongst others: • As DevOps optimize processes across teams, promote automation and knowledge transfer • Test-driven software development in Go, Java and Python following the Scrum process model to implement a BigData and streaming platform (applied technologies: MapReduce, Spark, Hbase, Kafka, EXASOL, OpenShift/Kubernetes) • Migration and implementation of systems within AWS Cloud and Google Cloud using Terraform (amongst others) • Optimization of the scalability, availability and administration of solutions based on the BigData platform • Implementation, administration and optimization of solutions for reporting, monitoring and alarming using Splunk, Icinga, Nagios and Prometheus (amongst others) • Implementation and establishment of continuous integration and continuous delivery systems based on Jenkins and Docker • Third level support in defect analysis and problem solution in distributed systems
09/2012 - 05/2015	Employment for the **Amazon Development Center Germany GmbH**, Berlin, Germany as **systems engineer**. My responsibilities were amongst others: • Software design and development with Ruby, Python and Bash following the Kanban process model to improve and operate AWS OpsWorks • Optimization of the scalability and availability of AWS OpsWorks and its dependent distributed services • Implementation and test of Chef recipes • Implementation, administration and optimization of solutions for reporting, monitoring and alarming • Third level support in defect analysis and problem solution • Training of support employees and solution architects
11/2010 - 08/2012	Employment for the **Immobilien Scout GmbH**, Berlin, Germany as **systems developer** in the department IT Production. My responsibilities were amongst others: • Software design and development with Python, Perl, Ruby, Bash, Java, C, Django, Ruby on Rails following the Kanban process model • Software distribution based on RPM • Database administration, design, tuning and programming (MySQL, MongoDB) • Support of business and development teams from the initial idea until putting into service following the Scrum process model • Administration of web infrastructure (Apache httpd, Tomcat, f5 loadbalancer) • Implementation, administration and optimization of solutions for reporting, monitoring and alarming (Nagios, Cacti) • Third level support in defect analysis and problem solution

| 06/2010 - 10/2010 | Employment for the **AUCONET GmbH**, Berlin, Germany as **systems engineer**. |

My responsibilities were amongst others:
- Automated Linux installation (Cobbler)
- Script development (Bash, Perl, Lua)
- Capacity planning and installation of servers and virtualization layers (VMware ESXi)
- Vulnerability assessment of systems within networks (OpenVAS, nmap)
- Implementation of security solutions (port-based security, 802.1x, encryption)
- Customization and optimization of system services based on customer requirements (Apache httpd, Tomcat, Samba, PostgreSQL, FreeRADIUS)
- Presales, project consulting and customer support

10/2006 - 05/2010   Employment for the **Immobilien Scout GmbH**, Berlin, Germany in the department IT Production.

08/2009 - 05/2010:
As an **systems engineer (server - data center infrastructure)** my responsibilities were amongst others:
- Evaluation and specification of new server technologies, storage system strategies and systems managements platforms and definition of standards within the areas of servers, operating systems and storage solutions
- Third level support on fault analysis and trouble shooting
- Capacity and provision planning for the server and data center infrastructure
- Creation of concepts for extending the production platform
- Analysis of vulnerabilities of complex IT architectures
- Technical consulting and participation in business projects, project lead

10/2006 - 07/2009:
As an **applications administrator** my responsibilities were amongst others:
- Administration, monitoring and maintenance of JEE application servers (JBoss, Apache Tomcat), other JEE components (ActiveMQ, ServiceMix) and further software systems (e.g. ArcIMS)
- Monitoring and optimizations of JavaVMs
- Realization of system wide and automatic service monitoring of applications and import processes
- Realization and administration of automatic software deployments
- Software design and development in Perl
- Design and development of automatic XML processing for import interfaces
- Database administration, design, tuning and programming (MySQL)
- Administration, monitoring, tuning and maintenance of web caches (Squid)
- Responsibility for functional groups incl. Reporting
- Technical consulting and participation in business projects

08/2008 - 06/2009:
Additionally, as an **assistant team lead** my responsibilities were:
- Professional and disciplinal responsibility for about 12 staff members
- Release and change management and resource planning for off-hour service

07/2002 - 09/2006   Employment for the **HDI Service AG**, Hannover, Germany as a **UNIX systems administrator**. My responsibilities were amongst others:
- UNIX system administration (HP-UX, Linux, Solaris and ReliantUNIX)
- Development, assessment and realization of high availability concepts (hardware and software, MC/ServiceGuard, heartbeat, OCFS, Oracle RAC)
- Administration and provision of backup and archiving solutions and interfaces to enterprise storage systems (EMC² SAN)
- Provision of database installations (Informix 7 and Oracle 8i, 9i and 9i RAC)
- Provision and base administration of SAP systems (SAP R/3 4.7 and mySAP ERP 2004)
- Administration and provision of IBM WebSphere Application Server installations incl. deployment of J2EE applications
- Realization of system wide and automatic system and service monitoring (netsaint, munin und BMC Patrol)
- Creation of software packages based on HP SD-UX and Linux RPM

	• Script development (bourne/korn shell, Perl)
	• Lead of the working committee "Communications and IT Security" within the integration phase of associated companies
06/1999 - 06/2002	Employment for the **IMPRESS SOFTWARE AG**, Hannover, Germany in the departments Product Development and Quality Assurance. 02/2001 - 06/2002: As the **Unit Manager UNIX Integration** I emphasized the UNIX-related work with the following responsibilities and tasks: • Software design and development in Java • Database installation, tuning and programming (Oracle) • XML and SNMP integration for the eBusiness software IMPRESS Engine • UNIX integration of the eBusiness software IMPRESS Engine (Solaris, HP-UX) • Integration of third-party software to be used, e.g. different application servers • UNIX system administration (Solaris, HP-UX) • Project planning and care for UNIX-based customer projects • Guidance and valuation of co-workers 06/1999 - 01/2001: Besides being the **Unit Manager Technical Documentation and Quality Assurance** my occupations were the following: • Software design and development in Java • Database installation and programming (Oracle) • XML integration for the own eBusiness software IMPRESS Engine • Configuration and release management • Automated software tests (functional and stress tests) • Organization and realization of the technical documentation • Guidance and valuation of co-workers
06/1995 - 12/1998	Employment as scientific co-worker for the **Institute of Fluid Mechanics and Computer Applications in Civil Engineering** at the **University of Hannover**, Germany. Acquired knowledge of the programming languages C, C++ and Java, besides in the fields of geometric modeling, complex software systems and their development as well as team work. Since 06/1998 employment as **system administrator** for the Institute of Fluid Mechanics and Computer Applications in Civil Engineering. Acquired knowledge of different UNIX derivates (HP-UX, AIX, Linux, Solaris), Windows NT, Perl, shell scripts, HTML and CGI.

Education

Since 10/2009	Red Hat Certified Engineer - Red Hat Enterprise Linux 5.
04/2009 - 04/2013	Certified Scrum Master and Certified Scrum Product Owner.
Since 06/1999	Several in-service trainings.
10/1992 - 05/1999	Study of mathematics and computer science at the University of Hannover, Germany. Passed the diploma exam with the aggregate mark "good", acquired title: "Diplom-Mathematiker".
1985 - 1992	General qualification for university entrance at the secondary school Bad Nenndorf, Germany with the aggregate mark "2,2" (which equals to "good" as the second best mark). Languages: • German (native language) • English (fluent) • Spanish (basics)

As at 02/03/2019.