



## IT-Profil

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Chief Executive Officer



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Chief Executive Officer: Marcel König

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## Overview

### Personal Data

Name: Marcel König  
Born: On November 19, 1980 in Salzwedel  
Citizenship: German  
Roles: Chief Executive Officer, Consultant, DevOps  
System software developer

### Core area of expertise

IT-Automation: DevOps, Ansible, Ansible Tower  
Continuous Integration (CI) / Continuous Delivery & Deployment (CD)  
Software development, IT-Operations  
JBoss EAP/Wildfly

IT-Compliance: Center for Internet Security (CIS) Benchmarks  
Creation of IT compliance guidelines  
Creation and deployment of golden images  
Verification of IT compliance guidelines

### Career

*Since 02/2020* Chief Executive Officer  
Company: lennlay GmbH  
Zum Großen Zernsee 5R  
D-14542 Werder (Havel)  
Responsibilities: Management, IT-Automation, IT-Compliance

*06/2011 – 01/2020* Freelance system software developer

*09/2008 - 05/2011* System developer Java  
Company: Siegele Software GmbH  
Goldeggasse 7/9  
A-1040 Wien  
Responsibilities: System development, Test development, Test management  
Test automation, Configuration Management  
Deployment und Release Management

*06/2004 - 07/2008* Software developer Java  
Company: AGFA Healthcare (formerly GWI Research GmbH)  
Diefenbachgasse 35  
A-1150 Wien  
Responsibilities: Software and database design, Development  
Test, Documentation, Support

## Studies

09/2007 - 07/2010

Hochschule:

Degree:

Kind:

Main areas:

Project management and information technology

University of Applied Sciences of the BFI Vienna

Bachelor of Arts in Business

Part time

Project management, Information technology

Law, Business administration, Business English

Methodological competence

## Vocational training

2001 – 2004

Main areas:

Training as a mathematical technical assistant in computer science (IHK) at the computer center of the University of Stuttgart

Mathematic, Statistic, Informatic

## Industry experience

Healthcare:

E-Government:

Others:

Laboratory information system, Hospital information system

Child screening - U4U9

Financial services, Automotive

## Language skills

German:

English:

Native language

Very good written and spoken

## Publications

01/2010

Bachelor thesis 1:

Der Projektabschlussprozess: Warum ist der Projektabschluss ein wichtiger Schritt zur Prozessverbesserung?

04/2010

Bachelor thesis 2:

Umbau eines JBOSS Applikationsservers für den Clusterbetrieb ein Erfahrungsbericht.

## Skill-Profile

### Development:

Java	+++
Python	++
Eclipse	++
IntelliJ IDEA	++
Maven	++

### Test automation:

Unit Testing	+++
Selenium	++

### DevOps:

Ansible	+++
Ansible Tower / AWX	+++
CI/CD	+++
Jenkins	+++
Sonatype Nexus	+++
JFrog Artifactory	+++
Docker	++
Puppet	+
Terraform	+
Kubernetes	+

### IT-Operations:

JBoss EAP und Wildfly	+++
Scripting (Bash, Perl, ...)	+++
Linux (RedHat, Ubuntu, ...)	+++
Proxmox	+++
Apache Tomcat	+++
Apache HTTPD	++
CA-APM	++
VMWare	++
HP Sitescope	++
HP BSM	++
AIX	+
Icinga	+
Grafana	+

### Version control:

GIT (Bitbucket, ...)	+++
Subversion	++

Skill Legend: += Basic knowledge += Advanced +++= Expert

**Databases:**

Oracle	++
PostgreSQL	++
Microsoft SQL-Server	++

**Cloud:**

Microsoft Azure	++
Amazon Web Services	++
Google Cloud Platform	+

**Management:**

Scrum	+++
Kanban	+++
CIS-Benchmarks	+++
Project management	++
ITIL	++

**Others:**

Confluence	+++
MS Office	+++
CROSS DMS	+++
Jira	++
Latex	++
CUPS	++
Cyberark	++
Principa (Siegele Software)	+

## Project list

### Project:

Period:

Company:

Roles:

Responsibilities:

### ITCompliance and IT-Automation with Ansible

Since 01/2020

Volkswagen Financial Services Digital Solutions GmbH

System administrator, Software developer

- The creation and maintenance of IT compliance guidelines based on the CIS benchmarks for Tomcat, Apache HTTPD and JBoss EAP
- Hardening and creation of golden images for JBoss EAP, Tomcat and Apache HTTPD versions according to the hardening and security guidelines of the CIS benchmarks using Ansible scripts
- Creation and maintenance of Ansible scripts for the deployment of Java EE applications
- Development and maintenance of a Python framework to check the compliance guidelines and to find running and non-running Java, Tomcat, Apache HTTPD, JBoss EAP instances on all RedHat + AIX servers
- Development of Ansible scripts for connecting applications to the CA Application Performance Management Tool
- Development of Ansible modules for the connection of Ansible Tower to Cyberark

Technologies:

Ansible, Ansible Tower, Python, RedHat Linux, AIX, Bitbucket, Git, ITIL  
CIS-Benchmarks, Cyberark, CA-APM, Artifactory, Service Manager, Puppet  
HP UCMDB

<b>Project:</b>	<b>Operation Transition Management</b>
Period:	01/2017 – 12/2019
Company:	Volkswagen Financial Services Digital Solutions GmbH
Roles:	System administrator, Deployment, Project manager
Responsibilities:	<ul style="list-style-type: none"><li>• Getting several Java EE applications from Kickoff to operation</li><li>• Planning, implementation, documentation and evaluation of proof of concepts for new Java EE applications</li><li>• Order and set up servers, databases and networks</li><li>• Write Ansible deployment scripts for the applications</li><li>• Perform the deployments with Ansible Tower</li><li>• Writing standard Ansible roles for the development department</li><li>• Migration of existing applications to deployment with Ansible</li><li>• Write documentation (operating manual, ...)</li><li>• Monitoring and problem analysis of the applications during load and ITSCM tests</li><li>• Set up monitoring for the applications with HP SiteScope and HP-BSM</li><li>• Handover of the application to the company</li></ul>
Technologies:	JBoss EAP 6/7, Tomcat 7/8, Java EE, Linux RedHat, Ansible, Ansible Tower, GIT Bitbucket, Artifactory, HP-Service Manager, ITIL, Confluence, Python Windows Office
<b>Project:</b>	<b>JBoss EAP/Tomcat hardening and creation of golden images</b>
Period:	06/2017 – 11/2017
Company:	Volkswagen Financial Services Digital Solutions GmbH
Roles:	System administrator
Responsibilities:	<ul style="list-style-type: none"><li>• Hardening of JBoss EAP and Tomcat versions according to RedHat's hardening and security guidelines for the customer</li><li>• Creation of golden images for the hardened JBoss EAP and Tomcat versions</li><li>• Documentation of hardening and golden image creation</li><li>• Automation of hardening and golden image creation with Ansible and Ansible Tower</li><li>• Write standard Ansible roles for JBoss EAP and Tomcat</li></ul>
Technologies:	JBoss EAP 6/7, Tomcat 7/8, Linux RedHat, Ansible, Ansible Tower, GIT Bitbucket, Artifactory, Confluence, HP-Service Manager



<b>Project:</b>	<b>DevOps - Operation of a Java EE application for credit checks</b>
Period:	10/2016 – 09/2017
Company:	Volkswagen Financial Services AG
Roles:	DevOps, System administrator
Responsibilities:	<ul style="list-style-type: none"><li>• This was an agile SCRUM Dev-Ops project</li><li>• Operation of the Java EE application</li><li>• Write Ansible deployment scripts for the application</li><li>• Deployments with Ansible Tower</li><li>• Implement continuous integration for deployment with Jenkins and Ansible Tower</li><li>• Documentation of the system structure, operation and automated deployment</li><li>• Set up monitoring for use with HP SiteScope and HP BSM</li><li>• Monitoring and problem analysis of the applications during load tests and ITSCM tests</li></ul>
Technologies:	SCRUM, DevOps, Linux RedHat, HP Service Manager, HP SiteScope, HP BSM ITIL-Processes, Java EE, GIT, Ansible, Ansible Tower, Bitbucket, Confluence Artifactory, Jenkins, Oracle 12G, Cyberark
<b>Project:</b>	<b>Migration of the dealer management system CROSS</b>
Period:	04/2016 – 12/2016
Company:	Volkswagen Financial Services AG
Roles:	System administrator, Consultant
Responsibilities:	<ul style="list-style-type: none"><li>• Training on the operation of the application</li><li>• Perform the migration of the application to another company</li><li>• Coordinate the dismantling of the application</li></ul>
Technologies:	CROSS DMS by Porsche Informatik, RedHat Linux, Oracle 11G Oracle Real Application Cluster, HP-Service Manager, Scripting (Perl, Bash)
<b>Project:</b>	<b>Development and evaluation of a JEE platform</b>
Period:	07/2015 – 12/2015
Company:	Volkswagen Financial Services AG
Roles:	JEE Architect, System administrator
Responsibilities:	<ul style="list-style-type: none"><li>• Creation of a detailed concept for a JEE platform</li><li>• Implementation of a proof of concept with the providers Oracle, RedHat and IBM</li><li>• Evaluation of a JEE platform</li></ul>
Technologies:	RedHat Linux, JBoss EAP, Ansible, Ansible Tower, Oracle DB (11G, 12C) Oracle Enterprise Manager, Oracle Weblogic, IBM Websphere IBM UrbanCode

<b>Project:</b>	<b>Setup and maintenance of cluster systems based on the dealermanagement system CROSS (Porsche Informatik)</b>
Period:	09/2011 – 12/2016
Company:	Volkswagen Financial Services AG
Roles:	Software - System – Database administrator, Software developer
Responsibilities:	<ul style="list-style-type: none"><li>• Operation of the CROSS-cluster systems for the markets in Germany and France</li><li>• Creation and copying of the car dealers for the rollout</li><li>• Rollout of release updates on all cluster systems</li><li>• Development of scripts for rollout optimization, operational support and monitoring</li><li>• Set up a monitoring for CROSS clusters and databases using HP Sitescope and HP BAC</li><li>• Documentation of the system structure and operation</li><li>• Performance analysis and tuning of the clusters and Oracle DBs</li><li>• CROSS administration using CROSS tools and own scripts</li><li>• Development of a web-based information page with Java EE and JSF2</li><li>• Execution and planning of tests, such as cluster HACMP tests, recovery tests etc.</li><li>• Second level support for CROSS DMS</li></ul>
Technologies:	CROSS DMS, Cross Tools by Porsche Informatik, Oracle 10g + 11G Oracle Real Application Cluster, Oracle Grid Control, Linux RedHat HP Service Manager, HP SiteScope, HP BAC, CUPS, Apache Webserver Cron Jobs, BMC Remedy, ITIL-Processes, VM Ware vSphere, Windows XP Office 2010, Java EE, JSF2, Selenium, Sub- version, CVS, Oracle PL/SQL, Perl TSM Backup, Tivoli TEC
<b>Project:</b>	<b>JBoss 6 migration to Wildfly 8</b>
Period:	02/2014 – 09/2014
Company:	Siegele Software GmbH
Roles:	Software developer, Tester
Responsibilities:	<ul style="list-style-type: none"><li>• Migration of the Principa customer application from JBoss 6 to Wildfly 8</li><li>• Creation of a deployment including customized configuration and performance optimization</li><li>• Upgrade of Principa dependencies to the latest versions (Hibernate, Drools, Infinispan, ...)</li><li>• Update from Java 6 to Java 8</li><li>• Migration test (manual and automated via Selenium)</li><li>• Documentation of the migration</li></ul>
Technologies:	Jenkins, JBoss 6, WildFly 8, Switchyard, Selenium, Java 8, Maven, Subversion Eclipse, Oracle, Postgresql, Sonatype Nexus

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<b>Project:</b>	<b>System administration and test automation</b>
Period:	06/2011 – 06/2013
Company:	Siegele Software GmbH
Roles:	System administrator, Software developer, Test manager, Tester
Responsibilities:	<ul style="list-style-type: none"><li>• Maintenance of the Jenkins continuous integration server</li><li>• Maintenance of the development environment</li><li>• Maintenance of the software storage Sonatype Nexus</li><li>• Maintenance of the test slaves</li><li>• Maintenance of the test databases</li><li>• Extension + troubleshooting + documentation of the Principa Selenium test framework.</li><li>• Creation of tests for automated testing of the Principa web application</li><li>• Training the testers</li></ul>
Technologies:	Jenkins, Hudson, Windows Server 2008, Selenium, Java, Maven, VMWare Test management, JBoss, Eclipse, Oracle, Postgresql, Sybase, Sonatype Nexus
<b>Project:</b>	<b>Porting a Java EE application from JBoss6 to JBoss7</b>
Period:	03/2013 – 06/2013
Company:	Siegele Software GmbH
Roles:	System developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• Porting of the complex Java EE application Principa from JBoss6 to JBoss7 including conversion from JBossESB to Switchyard</li><li>• Configure and deploy an optimized JBoss7 instance</li><li>• Update of all Java EE components so that they can run on JBoss7</li><li>• Conversion of the JBoss ESB components to switchyard components</li><li>• Test of the migration</li></ul>
Technologies:	JBoss 6 and 7, Java EE, JBoss ESB, Switchyard, Eclipse, Jenkins, Principa, SVN
<b>Project:</b>	<b>JWebSocket Principa Integration</b>
Period:	02/2013 – 03/2013
Company:	Siegele Software GmbH
Roles:	System developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• Integration of JWebSocket into the Principa customer application in order to be able to send messages from the client to the server and vice versa via WebSockets</li><li>• Implementation of the server integration in Java</li><li>• Implementation of a client interface in Java and Javascript</li><li>• Test the JWebSocket integration</li><li>• Documentation of the JWebSocket integration</li></ul>
Technologies:	JWebSocket, JBoss, Java, JavaScript, JSON, Principa, WebSocket

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<b>Project:</b>	<b>Implementation of a center device - principal interface</b>
Period:	11/2012 – 02/2013
Company:	Siegele Software GmbH
Roles:	System developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• Implementation of an interface to access the functions of Centerdevice via its remaining API</li><li>• Integration of the CenterDevice interface in the Principa customer application</li><li>• Test the CenterDevice implementation</li><li>• Documentation of the implementation</li></ul>
Technologies:	CenterDevice, JBoss, Java, JUnit, JSON, Principa, RESTEasy
<b>Project:</b>	<b>Selenium2 - Refactoring - Framework for test automation</b>
Period:	05/2012 – 09/2012
Company:	Siegele Software GmbH
Roles:	System developer, Test manager, Software tester
Responsibilities:	<ul style="list-style-type: none"><li>• Refactoring of the existing test automation framework from Selenium1 to Selenium2</li><li>• Modification and optimization of the existing tests</li><li>• Ensure that the tests run successfully on various browsers and databases.</li><li>• Maintenance of the Continuous Integration Server Jenkins</li><li>• Maintenance of the individual test servers</li><li>• Documentation of the test framework</li></ul>
Technologies:	Java, Selenium2, Testng, JUnit, Maven, Jenkins, Hyper-V, VMWare, Oracle PostgreSQL, Sybase, MySQL, MSSQL, StringTemplate, JavaScript
<b>Project:</b>	<b>Integration of frameworks into the Java EE application Principa</b>
Period:	09/2008 – 05/2011
Company:	Siegele Software GmbH
Roles:	System developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• An existing Java EE application for mapping a hospital information system (HIS) was expanded to include various functionalities using common OpenSource tools.</li><li>• Software development</li><li>• Software test</li></ul>
Technologies:	Quartz, Lucene, JMS (HornetQ + Rest), Infinispan(Cache), Drools, Antlr StringTemplate, Principa

<b>Project:</b>	<b>Modification of a JBOSS application server for cluster operation</b>
Period:	02/2010 – 05/2010
Company:	Siegele Software GmbH
Roles:	System developer Java Responsibilities: <ul style="list-style-type: none"><li>• A JBoss AS 6 and a Java EE application running on it (for mapping a hospital information system (HIS)) were reconfigured and adapted for cluster operation. Then performance load tests were carried out using JMeter.</li><li>• Software development</li><li>• Configuration management</li><li>• Perform performance tests</li><li>• Documentation</li></ul>
Technologies:	JBoss AS, Apache Webserver, Hyper-V, VMWare, HornetQ, Infinispan, JMeter Hudson, Oracle
<b>Project:</b>	<b>Implementation of an authorization system for a hospital informationsystem</b>
Period:	04/2009 – 06/2009
Company:	Siegele Software GmbH
Roles:	System developer Java Responsibilities: <ul style="list-style-type: none"><li>• A flexible role authorization system was designed and implemented to map the complex authorizations in a hospital.</li><li>• Software design</li><li>• software development</li><li>• Software test</li><li>• Documentation</li></ul>
Technologies:	Java, JavaScript, JUnit, JBoss, JBoss ESB, HTML
<b>Project:</b>	<b>Implementation of a framework for test automation</b>
Period:	12/2008 – 03/2009
Company:	Siegele Software GmbH
Roles:	System developer, Test manager, Software tester Responsibilities: <ul style="list-style-type: none"><li>• In order to be able to carry out integration tests for a Java EE application (for mapping a hospital information system (HIS)), a test framework based on Selenium was created. With this it is possible to easily test the application in different environments, such as: OS (Windows, Linux), browser (Firefox, IE), databases (Oracle, Postgresql, Mysql, Sybase)</li><li>• Software development</li><li>• Software test</li></ul>
Technologies:	Java, Selenium, Testng, StringTemplate, JUnit, Maven, Hudson, Oracle PostgreSQL, Sybase, My- SQL, MsSQL, JavaScript, XML, XPath

<b>Project:</b>	<b>Development of a development infrastructure</b>
Period:	09/2008 – 11/2008
Company:	Siegele Software GmbH
Roles:	System developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• Design and implementation of a suitable infrastructure for developing and testing a JEE application. The process was: 1. Development of the code in Eclipse 2. Version control via Subversion 3. Buildtool: Maven. Checked-in changes were built promptly in the Continuous Integration Server (Hudson). This also triggered the integration tests and the deployment process of the application to the test installations.</li><li>• Configuration management</li><li>• Release management</li><li>• Deployment management</li></ul>
Technologies:	Maven, Hudson, Eclipse, Subversion, Sonatype Nexus, JBoss AS, PMD Checkstyle, JUnit, Testng, Hyper-V, VMWare
<b>Project:</b>	<b>Framework for mapping clinical paths</b>
Period:	01/2008 – 07/2008
Company:	AGFA Healthcare
Roles:	Software Developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• In a small, distributed team (2 developers in Trier, 2 developers in Ghent, 3 developers in Vienna), a Java EE framework for mapping clinical paths was designed and implemented</li><li>• Software - database design</li><li>• Software development</li><li>• Software test</li><li>• Documentation</li><li>• Support</li></ul>
Technologies:	Scrum, Java, Maven, Hudson, Hibernate, JBoss AS, Eclipse, Drools, UML, JUnit
<b>Project:</b>	<b>Implementation of a laboratory information system</b>
Period:	06/2004 – 12/2007
Company:	AGFA Healthcare
Roles: Software	Developer Java
Responsibilities:	<ul style="list-style-type: none"><li>• In a team of 10 developers, an application for mapping a laboratory information system was designed, developed and maintained after commissioning.</li><li>• Software - database design</li><li>• Software development</li><li>• Software test</li><li>• Documentation</li><li>• Support</li></ul>
Technologies:	Java, Oracle, JDBC, ClearCase, Ant, Maven, Eclipse, JUnit