About me

Name	Michael Winkler
Phone	+49 170 966 59 86
Nationality	Switzerland

Diploma-qualified computer scientist with many years of experience in a range of fields.

Key points

- Senior DevOps Engineer
- Senior Java Developer
- High level of expertise in Ansible, GitLab, Linux, Maven, Spring, Wicket
- Methods: Scrum, Kanban
- Industries: Automotive, DIY, Internet services, Aerospace, Telecommunications, Transportation, Banking and insurance, Heavy industry

What do I expect from my end customers?

- Agile / iterative procedures (Scrum)
- A solution-oriented style of working
- BYOD or personal Linux environment with root privileges
- A direct style of communication

What can you expect from me?

- 24/7 readiness, high commitment to my work, integrity
- Hands-on mentality, clear approach
- Respect for already-rooted structures
- The willingness to let go again at the end of any project

Training and further education, certifications

- Regular participation in various conferences and workshops (e.g. JUGM, DroidCon Conference)
- 2005 Sun Certified Java Programmer
- 2003 Moderator, Unilog Munich
- 2000 Certified Computer Scientist, University of Applied Sciences of Konstanz

Projects

TAB Erfurt	04.2019-07.2019	Ecohesion ; separation of roles
Manual staging and life deployments in Liferay. Migration of an existing CI environment from Jenkins and Gitblit to GitLab-CI. Establishment of multiple docker-based build-agents. Anticipating of a highly-attended Task Force to ensure code quality. Initial design of a complete, all-encompassing IaC approach. Troubleshooting and related ticket processing.		
Role : DevOps pioneer, automation expert		
Technologies used: GitLab, Liferay, centOS Linux, Ansible, plantUML, IDEA		

ZF Passau	10.2018-01.2019	DevOps A4.0
Design and construction of an IaC toolchain for the automatic creation of environments based on OpenStack and corresponding TFS build jobs. Creation of test environments based on rabbitmq and Python with docker compose. Setting up remote access to a Ubuntu VM via Citrix.		
Role : DevOps pioneer, automation expert		
Technologies used: Linux, Terraform, Ansible, Consul, Git, TFS, plantUML, Citrix		

Voith DSG	07.2017-09.2018	DevOps Iot & OpenStack
Development of a container environment with CoreOS and Rancher. The installation, support and defense of the central GitLab instance by means of Ansible, supporting the developers in creating their CI pipelines and deployment processes. Automation of the deployment process of the Red Hat OpenStack platform (Undercloud and Overcloud) taking advantage of GitLab-CI and Ansible. Creation of a Consul-Cluster (PoC), as well as of an automatic test procedure for GitLab backups. Selective Scrum-Master		
Role: DevOps pioneer, automation expert, GitLab administrator		
Technologies used: Linux, Ansible, RHEL, git, GitLab, GitLab-CI, Jira, Confluence, RHOSP, Rancher, intellij, Slack, scrum, docker, centos, coreos, spring boot		

Bdk	09.2016-06.2017	DevOps Phoenix
Support of an existing CI (nexus, gradle, jenkins + 20 slaves, Tomcat), assistance with migration to jobDSL. Evaluation of a provisioning tool; planning and the creation of two prototype development infrastructures using ansible, docker, gitlab, tomcat, nginx; creation of a prototype architecture-spanning docker swarm. Git coaching; the preparation and execution of presentations; lobbying within the group as well as with business partners to reach the best solutions. Consulting vis-à-vis the build process. Design of a blockchain-based (Ethereum) business model. Preparation of installation instructions and operational concepts		
Role: DevOps pioneer, Jenkins supervisor		
Technologies used: Linux, RHEL, git, gitlab, bash, ssh, screen, vim, jenkins, mantis, tomcat, java 7 / 8, scrum, ansible, docker, Raspberry PI, nginx, spring boot, java 7 / 8		

interhyp	06.2016 – 09.2016	Great Place to Work / ER Technologies
Conception and implementation of the migration from cvs to git; co-development of a training concept, integration in bitbucket/jira. Conception of git flow @ interhyp, creation of export/import		

scripts, high-level workshop git, small study feature toggles.		

Role: Migration Expert, Linux Consultant

Technologies used: Linux, cvs2svn, RHEL, centOS6, cvs, git 2.6, bitbucket, jira, bash, ssh, screen, gawk, sed, vim / vundle, and more.

Hornbach	01.2016 – 05.2016	DevOps, cubus, step2pim

Participation in the DevOps team at Hornbach (3 people in total); conception and implementation of the deployment pipeline for internal products based on the Apache ServiceBus. Provided support in the creation of Maven scripts, the execution of presentations, and in technology decisions. The design and realization of a dashboard on the basis of Raspberry PI II and Raspbian. The joint design of a basic image for virtual machines (dev part), ticket processing, user administration, administration of GitLab / Jenkins. Representation at meetings, management of distribution processes, setting up a build pipeline for two projects on the Apache ServiceMix platform.

Role: DevOps, Build Engineer

Technologies used: Absible, Debian, GitLab, Java, Linux, Jenkins, Maven, Nexus, Raspian, RHEL, spring boot, VirtualBox, Linux

VHV Group	08.2015 – 12.2015	Kobra

The analysis, planning and (partial) implementation of migrations from CruiseControl to Jenkins, from CVS to Subversion (SVN) and from ant to Maven. Preparation and creation of various presentations, status reports and mini-training courses for the employees concerned.

Role: Build Engineer

Technologies used: ant, ant-eclipse, bash, BeyondCompare, CruiseControl, cvs, cygwin, eclipse, git extensions, git-svn, git cvsimport, jenkins, linux, maven, MS Office, subversion, yEd

p3 Group	05.2015 – 07.2015	Big Data Baking

Creation of a documentation platform based on the maven site plugin, optimization of Jenkins builds, evaluation vagrant. Revision of a multi-module maven build, migration from Subversion to git, revision of integration tests, developer cluster maintenance.

Role: DevOps

Technologies used: bash, centos, eclipse, git extensions, git-svn, git, jenkins, linux, maven, subversion, hdfs (hadoop), virtualbox, gentoo, SourceTree, egit

ESG / Volkswagen	11.2014 – 04.2015	Livas3, CoMa

The refactoring and further development of a system for the translation of operating manuals into various languages. Further and new development of Swing components, adaptation of the soap interface (client and server) to new types. The creation of mockups for the end customer; coaching of younger developers, troubleshooting.

Role: Senior Software Developer

Technologies used: ant, clean code, Confluence, Eclipse, Git-svn, Git, Jenkins, Jira, JDK 6, JUnit, Maven, refactoring, Swing, SVN, test first

Teamware / Audi	04.2014 – 09.2014	Developer box, Import tools
Creation of a VirtualBox image for developers and of two import tools to synchronize data using an RCP client. The preparation of an OCSP provider to replace the previous CRL solution.		
Role: Software Developer, DevOps		
Technologies used: JEE 1.6, Java 1.6, Maven, JPA, Oracle, Websphere, Eclipse , git, svn, mockito, junit, CentOS, X.50x, EJB 3.x, jenkins, CI, Sonar		

SBB Berne	09.2013 – 12.2013	Admin tools / Debugging

Remedying of various errors which occurred in shop operation; expanding the back office administration tools.

Role: Software developer, 3rd level support

Technologies used: JEE 1.5, Java 1.7, Maven, Ant, EclipseLink, Oracle, Websphere, Eclipse , svn, mockito, junit, kanban, intellij, jenkins,CI, Sonar

IBM Chemnitz	04.2013 – 08.2013	SEPA Management Tool

Realization of a camt.54 import of a web application for the management of SEPA Direct Debit mandates and SEPA credit transfers. Rework of a Unit Test Framework. Leadership of smaller teams.

Role: Software developer, interim team lead

Technologies used: JEE 1.5, Java 1.6, Ant, JPA (Hibernate), Oracle, Websphere, Rational System Architect (RSA) , svn, spring, git, git-svn, Rational Team Concert, ubuntu, RedHat, mockito, testng, jpa, sonar, Websphere

Postbank	01.2013 – 04.2013	Terminology tool

Conversion of the calendar application to a general attendance/absence management program, remedying of various bugs

Role: Software Developer

Technologies used: Wicket 6.0, JEE 1.5, Java 1.6, maven, hibernate, hsqldb, jetty 6, tomcat 7 (standalone und embedded), Eclipse (Juno), git, git-svn, svn, spring, junit, mockito, rup, clean code, funtionale Programmierung, jenkins, sonar, craftsmanship

Linde/KION	09.2012 – 12.2012	Intranet application

Implementation of a hybrid intranet application (online/offline) for the service technicians of industrial machines produced in-house, including the further development of an RCP client to a Wicket application.

Role: Software Developer, DevOps

Technologies used: Wicket 1.5 and 6.0, JEE 1.5, Java 1.6, maven, hibernate, h2, jetty 6, tomcat 7 (standalone and embedded), Eclipse (Indigo, Juno), svn, scrum, ehcache, spring, jenkins, sonar, Craftsmanship, JEE 1.5

Munich Airport	10.2011 – 09.2012	EAI : JMS ↔ Corba

The fine-tuning and continuation of an EAI adapter that receives data from outside the customer via JMS / XML, buffers, validates and enriches it, and forwards it to various internal Corba services. Conception and development of further adaptors.

Role : Software Developer

Technologies used: JEE 1.5, Java 1.6, ant, hibernate, JMS (MQ, glassfish), JDBC, Corba, Eclipse, Solaris, Linux, log4j, commons-logging, junit, cvs, ssh

quisma	1.2011 – 08.2011	Banner delivery and tracking

Cold acceptance and performance optimization of a banner delivery and click tracking server that was previously maintained in Armenia and re-insourced. The solving of a concrete performance problem within the database layer. Revision of build and deployment processes, creation of a mini profiling API, performance analysis and improvement, cleaning up databases, introduction of git.

Role: Software Developer, 3rd level support, technical contact person

Technologies used: JEE 1.5, Tomcat, Java 1.6, ant, hibernate, jpa, spring, quartz, cron, wicket, Eclipse, ubuntu, log4j, slf4j, junit, svn, subversion, git, ssh tunnel, vpn, tunnelblick, Mac OS X 10.6 64-Bit, Skype, mysql, git, jdbc

dekra	07.2010 – 12.2010	Regulatory affairs (expert adviser)
Extension of a grown Swing client to make it fit for the upcoming TUEV privatization. Implementation of various components on all layers. Design and implementation of various sub-functions and modules.		
Role: Software Developer (GUI / Swing)		
Technologies used: Java 1.5/1.6 (Swing), XSLT, Eclipse 3.5, ClearCase, jdbc		

Relocation services	04.2010 – 08.2010	CRM solutions
Conception and realization of a web application for the administration of customer relations and the execution of relocation projects.		
Role: Software Developer, DevOps, Supporter		
Technologies used: jBoss 5.1 , grails , jBoss Seam, jBoss Hibernate, Java 1.5/1.6, Eclipse 3.5, Spring 2.0, OOA / OOD, JPA, JSF, JSP, Annotations, MySQL, MS SQL		

VKB	12.2009 - 2.2010	Central Build
Porting various Java projects (Eclipse RCP, Eclipse PDE) from Ant to Maven and setting up suitable build plans in Bamboo.		
Role: Software Developer, DevOps		
Technologies used: Eclipse, Java , Axis, XML, CVS, Maven, Bamboo, Eclipse RCP, Eclipse PDE, Eclipse Plugins		

Allianz AG	01.2009 - 11.2009	Correspondence management
Maintenance of the correspondence client for the creation of customer correspondence in the "Life" division.		
Role: Software Developer, 1st / 3rd level support, team assistance		
Technologies used: Swing, Java, Ant, Maven, CVS, Eclipse, Mediawiki, XSLT		

British Telecom	04.2008 - 10.2008	Ticketing
Extension of the Trouble Management System to another customer.		
Role: Software Developer, Scrum Consultant		
Technologies used: Eclipse, JEE, Java 1.5, Axis, XML, XSLT, SOAP, WSDL (Contract first), Subversion, Mysql, Oracle, Junit, Mediawiki, Hibernate, SCRUM		

GMX GmbH	07.2007- 03.2008	Third-party integration
Design and creation of an adapter service (multi-protocol) for the integration of a third-party means of faxing via the Internet. Design and creation of a central multi-protocol service for the group-wide administration of free allocations.		
Role: Software Developer		
Technologies used: Eclipse, JEE, Java 1.5, Axis, cxf, xfire, XML-RPC, XML, Subversion, Mysql, Oracle, Junit, Cruisecontrol, Hibernate, Gentoo, Tomcat		

GWP GmbH	07.2007- 05.2008	Redesign order management
Transfer of a Delphi Fat Client for order processing into SOA-based architecture		
Role: DevOps, training, software developer		
Technologies used: gentoo, Java, cxf, Delphi, SOAP, wsdl, xml, spring, hibernate, mysql		

Virtual Solutions	11.2006- 06.2007	Premium reduction (Switzerland)
In cooperation with IBM Switzerland. The creation of use cases and models, as well as the realization of new software for "individual premium reduction" within the Swiss health and pension funds on behalf of the Swiss government. Modules included "Partner Comparison" and "Batches". Extensive model-driven software development was carried out here using the entire IBM Rational tool chain.		
Role: Software Developer		
Applied technologies: IBM Rational System Architect, Java, MDA, Clearcase, Websphere, Lotus Notes, Maven, Eclipse RCP, Hibernate , UML, OOA, OOD		

Internet agency	08.2006- 09.2006	CRM solutions
Took the place of an employee on vacation to expand an existing web-based proprietary CRM solution for Siemens SRS, as well as ensure the elimination of numerous bugs.		
Technologies used: Java , J2EE, Tomcat, MS SQL-Server, XSLT, Eclipse, CVS, Junit, HTML, Servlets		

Siemens	08.2005- 07.2006	WAN planning
Revision of the analysis engine of a WAN planning tool for a new product line. The analysis engine is part of a fat client with a Swing interface.		
Role: Adaptation of requirements into existing software, as well updating the GUI components.		
Technologies used: Java 1.4, Swing, JDO 1.1 (jcredo), MySQL 4.0.x, ant, ClearCase 6.x, Eclipse 3.1, JDBC		

Telekom	06.2003- 06.2004	CRM solutions
Maintenance of the T-Punkt client/server module, an embedded Visual Basic client for processing address data that obtains its data from a Java server via an XML interface and stores it there.		
Role: Software Developer		
Technologies used: J2EE, BEA Weblogic, DB2, VB, XML, XML Schema, Eclipse 2, CVS, JUnit, Ant, Visual Source Safe (VSS), AS/400, Unix: SUSE Linux.		

Telekom	01.2003-06.2003	Mass switching and number change
Porting of the central batch module for "mass switching and call number change". The module existed in several modules in Cobol and C/C++, and was ported by us (in a constantly changing team) to Java.		
Role: Team management, architecture and porting of C/C++ part to Java.		
Technologies used: Java, JDBC, BEA Weblogic, DB2, XML, XSLT, Eclipse 2, CVS, JUnit, Ant, AS/400, Unix: SUSE Linux		

Telekom	07.2002-12.2002	CRM solutions
Porting the central import module of the sales address data (approx. 12 satellite systems) to Java. Version 2 of the module existed in C/C++ and Cobol, and was ported to Java by us under strict, tight deadlines.		
Role: Implementation and team coordination.		
Technologies used: Java, JDBC, DB2, XML, XML Schema, Castor, Eclipse 2, CVS, JUnit, Ant, AS/400, Unix: SUSE Linux, JProbe		

Telekom	04.2002- 06.2002	CRM solutions
Analysis, design and implementation of a web application for monitoring deletion processes in the central entry database of the company, evaluation over days, weeks, and months. The planning and realization in all areas with the exception of application testing.		
Role: Software Developer		
Technologies used: J2EE, Bea Weblogic, JDBC, DB2, XML, Eclipse 2, CVS, JUnit, Ant, AS/400, Unix: SUSE Linux, JProbe		

Telekom	01.2002- 03.2002	Product catalogue
Design of several variants of an EJB for reading and saving product data. Requirements analysis and implementation.		
Role: Software Developer		
Technologies used: J2EE, Rational Rose, EJB, CMP, DB2		

German Post	07.2001-08.2001	Document management
Maintenance of a web client for post-processing address correction cards of the German Post service (Java) recognized by OCR. Responsible for the maintenance and further development of the database layer.		
Role: Software Developer		
Technologies used: J2EE, Tomcat, Visual Age for Java 3.0, Unix: SUSE Linux, Oracle		

Insurance companies	03.2001-06.2001	Flying coach
Coaching Java beginners, creation of a project pilot for the post-processing of incoming fax and semi-automatically submitted OCR report forms.		
Role: Java Coach, Software Developer		
Technologies used: Swing, Visual Age for Java 3.0, Envy		

Osram GmbH	05.2000-02.2001	Osram Media Database OMD

The Osram Media Database (OMD) is an intranet shop for the distribution of marketing documents (brochures, catalogues, etc.), image files in multiple resolutions and file formats, as well as the pre-press. The documents were first imported into the database using a data editor with a Swing application. The customers (Osram branch offices, service providers and sales partners) ordered data via a web interface and would send it by e-mail or data carrier. The costs incurred were allocated to the corresponding Osram cost unit and invoiced on a monthly basis. Sophisticated authorization and accounting management allowed budgeting within departments or branches.

Role: Requirements analysis, architecture, implementation, installation and post-sales support of the Swing interface and the web shop.

Technologies used: J2EE (Servlets), Tomcat, Swing, Visual Age for Java 3.0, CVS, Unix: SUSE Linux, Oracle

SAP LS	09.1999-04.2000	Java Certification Client

As part of SAP's Platinum project, prototypically large elements of the SAP software were translated into Java. The "Learning Solution" part of SAP LS, based in Immenstaad on Lake Constance, was the pioneer at the time, not only adapting visually to the existing Windows application, but also adding other helpful functions to increase clarity and scalability.

Role: Implementation of a Swing Client

Technologies used: Visual Age for Java 3.0, Swing, ENVY, SAP Connectors for Java

Pre-professional projects

University of Applied Sciences Konstanz	03.1999-02.2000	Diploma thesis

Design and development of time-tabling software for the University of Applied Sciences Konstanz using genetic algorithms and Java.

Completely independent.

Technologies used: Java, JPad (simple Java editor)

Prof. Schubert, University of Applied Sciences Konstanz	06.1998-02.1999	Portfolio/Delphi

Design and development of a tool for the generation of import data for a program for the calculation of linear equation systems. The solutions were used to optimize equity portfolios.

Role: Requirement analysis and implementation

Technologies used: Delphi 3.0, lssolve (LGS-Solver)

Pelzhaus Jäcklin	1985-1991	Product administration

Requirement analysis, development and support of product administration of the company "Pelzhaus Jäcklin" in Ravensburg. The data was stored in a text-based database and entered, displayed and edited in a specially-programmed system.

Role: Requirement analysis and implementation

Technologies used: Turbo Pascal 6