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Marc Waldmeyer

Professional Experiences

2019- now	W-PRO	Switzerland
Working at W-PRO as Senior Software Developer		
2017- 2019	ti&m	Switzerland
Working at ti&m as Senior Software Developer		
2014- 2017	SBB CFF FFS	Switzerland
Working at SBB as Professional Software Developer		
2012- 2014	Elca	Switzerland
Working at Elca as Software Developer		
2010 - 2012	IMTF	Switzerland
Worked at IMTF as Application Integrator for ECM (GED) Solutions		
2009-2010	I2R	Singapore
Employee at I2R on underwater wireless sensor networks		

Education / Certificat

2018	Java 8 – Oracle Certified Professional (OCP)
2016	Java 8 - Oracle Certified Associate (OCA)
2015	ScrumMaster Certified (ScrumAlliance)
2010	Swiss Federal Institute of Technology Lausanne, Switzerland
<ul style="list-style-type: none">• Master of Science MSc in Computer Science at the EPFL• Worked 6 months at I2R in Singapore on underwater wireless networks• Studied 1 year at NTU in Singapore as part of an exchange program	
2008	Swiss Federal Institute of Technology Lausanne, Switzerland
<ul style="list-style-type: none">• Bachelor of Science BSc in Computer Science at the EPFL	

Project Experiences

FASAS	: Application for a swiss administration that allow to register a client, create a planning, evaluate and bill the client. Tasks: New application developed from scratch with J2EE, Angular and Oracle-SQL technologies. Technologies: <i>J2EE, Oracle DB, Angular, Gradle</i>
Colibri	: Application that creates a new configuration for any changes in a Swisscom mobile subscription and sends this configuration to a subsystem. Tasks: Complete refactoring of the actual productive version in order to improve the performance, maintenance and readability of the code. Development of an E2E Tester that injects test data, validates the output and compares it with the actual productive output in order to avoid regression bugs. Technologies: <i>Spring boot, Oracle DB, Drools, Gradle</i>

- KIB : System which processes incoming data from KIHUB (below), filters and displays relevant infos to the customer. The data is then displayed in every train station screen and played in the loudspeaker. All the information can be monitored and altered via a WebUI developed with Angular.
Tasks:
Development of the application from scratch. Definition of the data model, Rest and JMS interfaces. Development of UI components using Angular Framework, development of backend micro-services using Springboot.
Technologies:
Spring boot, PostgreSQL, Hazelcast, RabbitMQ, Angular, Maven
- KIHUB : Platform/Hub which processes incoming data flows and dispatches relevant data to other subsystems requesting it.
Tasks:
Development and maintenance of backend component using JAVAEE Framework and deployment of these components on a WebSphere server. Extension and maintenance of the database and data model. Refactoring of a web-app using Angular in order to visualize the backend data.
Technologies:
J2EE, OpenJpa, AngularJS, Maven
- Lava : Application which filters confidential data flows and builds reports that are displayed in a Swing UI. These reports can be saved as pdf as well.
Tasks:
Development and maintenance of backend modules in order to filter incoming data flows using customer-defined criteria. Improvements in UI for highlighting search results.
Technologies:
java, swing, SQL
- ACM : Web-Application which archives pdf reports with its attachments and allows the users to search and display them in a web UI.
Tasks:
Maintenance and Bug fixing of a web-archives. Discuss of extensions and costs with the customer.
Technologies:
java, spring-mvc, jsp, css
- PoC Dojo : Extension of the Dojo Framework with a custom widget as part of an invitation to bid.
Tasks:
Implementation of new Dojo widgets and tests cases for a PoC.
Technologies:
Dojo, Dojo-DOH
- Hypersuite/5 : Integration of an Enterprise Content Management solution.
Tasks:
Maintenance and bug fixing of an ECM. Deployment of the solution onsite on Redhat servers. Configuration and migration of the database when needed. Writing bash scripts to automate the deployment.
Technologies:
J2EE, maven, bash, SQL-Oracle
- UWSN protocol : Development of a localization protocol for Underwater Wireless Sensor Networks (UWSNs). Implementation and testing in **Qualnet**, a network simulator.
Tasks:
Implementation and optimisation of my own communication protocol in order to discover all the nodes within an underwater network.
Technologies:
C++, Qualnet

Computer Science skills

Framework / languages : Java SE/EE, Spring/SpringBoot, Swing, C++, Shell, Perl
Web Publishing : HTML, PHP, CSS, Javascript, JQuery, Dojo, Angular
BigData : Hadoop, Hive, Spark
Cloud : OpenShift
Networking/Databases : TCP/IP and related protocols, SQL-Oracle, Cassandra, PostgreSQL, Hazelcast
Reporting software : Microsoft Office, Latex
Real Time : Petri Network, EDF, SRP and related protocols
Software Engineering : UML

Languages

French : Mother tongue
English : Fluent
German : Fluent
Czech : Good

Activities and Interests

Associations : **TC Marly, VBC Fribourg**
Sports : **Tennis and Ski J+S monitor**, volleyball, running
Others : Traveling, hiking, cinema