

Curriculum Vitae

Martin ZWIGL

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Personal details

- **Marital Status:** Married
- **Nationality:** Austria
- **Date of Birth:** 11.11.1972
- **Place of Birth:** Innsbruck

High Skills

- **Project management**
- **IT Consulting**
- **System- & Software Engineering**
- **Prototyping & Conceptual Design**
- **Object-oriented programming (OOA, OOD, OOP)**
- **Agile Software Development with XP and SCRUM**

Experience Spectrum

- Technical project management & consulting for different industries and with different requirements like Irrigation or Tourism.
- Software engineering using various architectures, development processes, programming languages and techniques for international operating companies and trades.
- Training of programming languages and frameworks
- Stay Abroads:
 - ✓ Regular business trips
 - ✓ Pioneering for developing businesses in other countries.
 - ✓ Networking
 - ✓ Collecting Know-How of region specific distinctions as well as changing trends in cultures and communication behavior for a better understanding of our globalized world

Job Experience

**Apr. 2006 –
to present**

Software Engineer and Technical Consultant for Siemens IT Solutions and Services PSE SES MEC L, Linz (Austria)

The projects goal has been to develop a new generation of Monitoring Center for Lawful Interception.

Details on request.

**Jun. 2003 –
Dec. 2005**

Software Engineer and Technical Consultant for KTW Software & Consulting GmbH, Kirchbichl (Austria)

The company has been specializing in the development, implementation and adaptation of standard business management software (with its own ERP II framework) as well as in management consulting for small- and mid-sized enterprises that have operations throughout the world.

- ✓ Responsible for finding, planning and implementing mobile and wireless solutions. E.g. the development of an application for a Wireless Handheld EAN-Scanner (commission and receipt of goods) for a major sausage manufacturer within Europe.
- ✓ Technical consultant and application developer for the own ERP II – Framework.
- ✓ Secondary goal has been to help to maintain the software of the framework.

**Oct. 2002 –
to present (Honorary employee)**

Software Engineer and Technical Consultant for SOS-Kinderdorf - Österreich, Innsbruck (Austria)

- ✓ Extending and maintaining the Intranet
- ✓ System Engineering. That is, the evaluation and integration of new software (e.g. discussion forums, chat rooms, etc
- ✓ Designing and implementation of an internal address database for the Intranet

**Oct. 2001 –
June 2002**

Project Manager and Software-Engineer for DISoft EDV-Programme GmbH & Tourist Mobile GmbH, Innsbruck (Austria)

The company specialized in the development of mobile, wireless applications. In cooperation with the Tyrolean Tourist Unions, ZAMG, METEO-data and others a Tourism Portal for Mobile Devices supporting the UMTS technology and similar has been the focus of the project.

Regarding wireless and mobile technologies, the company has been a pioneer at that time.

- ✓ Project management and system architecting for the “Tirol-Mobile” Prototype.
 - WAP, GPRS, UMTS and WLAN with SMS, MMS, etc.
 - Route planning and location based services on mobile devices
 - Image presentation on WAP Phones by the means of Web Cameras
 - Weather information on mobile devices
- ✓ Subproject: Planning and development of a (Mobile-) Internet application with the purpose of the registration of working time.
- ✓ Maintenance of various applications and support for some global players in the telecommunication industry.

**Sep. 1998 –
Oct. 2000**

Software Engineer for MSI Dr. Waelti AG, Buchs SG (Switzerland)

The company focuses its efforts on Address Management; Planning, Analysis and Documentation of Experiments; Shared Database Applications and Data Mining with well-known customers in Agricultural Research, Official Statistics, Pharmaceutical Industry and in the Food Industry for example.

- ✓ Responsible for finding and the design of mobile solutions for the in-house framework WIDAS3 on handhelds like Husky and Psion Workabout.
- ✓ Application development in general.
- ✓ Improvement and maintenance of the integrated Database Software WIDAS3. (Major goals have been the web-enabling of WIDAS3 for standard Internet-Browsers and the development of a SQL-Interpreter for framework)
- ✓ Customer training, service and support for WIDAS3.
- ✓ Working – in cooperation with IBM and “bwv” – on a large Data Warehouse for “Winterthur Insurances – Headquarters” in a large team of developers.

**Oct. 1997 –
Aug. 1998**

Software Engineer for “Röhren- und Pumpenwerk BAUER GesmbH”, Voitsberg (Austria)

Maker of complex irrigation systems (fully automatic Pivot- and Linearsystems) in different variations with over 75 years of experience, with locations in more than 80 countries worldwide and over 30.000 sold BAUER Rainstars.

- ✓ Design and implementation of an integrated solution for technical construction and making offers of large-scale irrigation plants of the above mentioned kind.

Redesign and refactoring of a DOS based BASIC program.

Had to be very extendable for new parts like newly designed nozzles, outriggers and similar.
Working as self-employed person in a two men team.

Jun. 1998

Retailing computers and accessories at a local dealer

May 1997 – Sept. 1997

Self employed with own start up in Southern Africa (Zimbabwe)

- ✓ Business market research for IT business and tourism in Zimbabwe, Zambia, Malawi, Botswana and South Africa (see section “Stay Abroads”)
- ✓ Has been aborted because of investment constraints, political instability and upheaval.

Techniques & Technical Knowledge

- **Programming languages**

C, Java, C#, Pascal/Delphi, SQL, Shell-Scripts, JavaScript, VB, 4GL

- **Frameworks API's, Libraries**

Spring, OSGi, Struts, Java Server Faces, Hibernate, JDBC, Java RMI, Java Servlets & Java Server Pages, Enterprise Java Beans, JUnit, EasyMock
OpenGL, OpenAL, DirectX (especially Direct3D)
WML (WAP), J2ME

- **Tools & IDE's**

MS Access, MySQL, Oracle, MS-SQL, DB2 UDB, CVS, Clearcase, Enterprise Architect, Varios Wikis, Apache Webserver, Varios containers like Apache Tomcat or Macromedia JRun
MS Office, Adobe Photoshop, Macromedia Dreamweaver, Adobe GoLive
Visual Studio 2005 Express, Eclipse, JBuilder

- **Operating Systems**

MS Windows, Linux, Unix(AIX), AX

- **Languages**

German (native tongue)
English (business fluent spoken and written)
Spanish (basic knowledge)

Stay Abroads

Business trips employed with a company

Switzerland
Germany

Explicit pioneering business trips

Botswana, Kenya, Malawi, South Africa, 6 months
Swaziland, Zambia, Zimbabwe
Thailand (employed as temporary worker on dive base) 2 month

Other work experience abroad

Australia 6 months

Education Synopsis

**Feb. 1998 –
Aug. 1998**

Tutorial supervisor for electronic data processing at the University in Innsbruck

1993 - 1997

Enhancing my knowledge of Information Technology and Software Development at the Technical University, Graz (Subject Telematik) – interrupted by various stay abroads . (Please see Section “Stay Abroads”)

1992 - 1993

International Economics at the University, Innsbruck

1989 & 1990

One month practical studies at the Planseewerk TIZIT (carbide-tipped tools), Reutte for the Technical School for Mechanical Engineering

1987 - 1992

Technical School for Mechanical Engineering (HTL), Innsbruck (Abitur main subjects: Piston Drives, Machine Tools, Hydrodynamics & Aerodynamics and Mechanics)

1983 - 1987

Adolf-Pichler-Platz Bundesrealgymnasium, Innsbruck

Other Interests

- African cultures and art, 4x4 Adventures through the southern parts of Africa, Collecting African exhibits, Corporate Social Responsibility (CSR), Archery, Economy and Fair Trade, Traveling in general, SCUBA diving, Marine biology, Modern, classical and baroque music, Photography, Tarantulas, Software architecting and Development processes
- Honorary employee a.k.a. ‘Civil Service’ at ‘The Alliance of the Order of St. John’ from June 2002 to May 2003. Scope of functions has been geriatric care and nursing.

References and details available on request