# Resumé

## Personal Information

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|---|---|
| First and last name: | Peter Polzer |
| Address: | Tauschinskygasse 70/11/2, 1220 Vienna |
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| E-mail: | [peter@polzer-software.com](mailto:peter@polzer-software.com) |
| Website (business): | [polzer-software.com](http://polzer-software.com) |
| Website (private): | [polzer.or.at](http://polzer.or.at) |
| Date and place of birth: | August 9, 1975, Vienna |
| Marital status: | Single |
| Children: | Adrián I. Polzer Barrionuevo (3 years) |
| Nationality: | Austria |

## Motivation

I'm a SW developer with several years of experience in industry and research. I prefer to work as a freelancer and accept business travels up to 75%. My interests revolve around distributed systems, model–view–controller as well as n-tier architectures.

## Education

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| since 03/2008 | Doctorate studies in technical sciences at the Vienna University of Technology (part-time), Karlsplatz 13, 1040 Vienna, with concentration in distributed systems and design of middleware. |
| 09/1996 - 06/2000 | College of electronics engineering, Technikum Wien - Fachhochschulstudiengang Elektronik, 1200 Vienna, concentration in computer technologies / systems engineering and biomedical engineering, received academic degree Diplom Ingenieur (FH) |
| 09/1995 - 06/1996 | Preparatory course for matriculation standard, TGM, 1200 Vienna |
| 10/1990 - 02/1994 | Vocational school for telecommunications engineering Berufsschule f. Nachrichtentechnik, 1050 Vienna, graduated as a radio and TV technician |
| 09/1989 - 10/1990 | Commerce school HBLA f. wirtschaftliche Berufe, 1210 Vienna |

## Work history

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| since 03/2008 | Part-time research in the area of enterprise integration patterns and their extensions with alternative middleware such as e.g. virtual shared |

memory in comparison with message queues (message-oriented middleware) at the Vienna University of Technology.

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| 08/2001 – 01/2008 | SW developer at Siemens Program and Systems Engineering (PSE), department Mobile Communication Systems, 1210 Vienna. I was working in a large, international project (over 200 SW developers, project sites located in Munich, Ulm, Vienna, Budapest and Milan). The project's product, called Radio Commander, was an Operation & Maintenance Center (OMC) for mobile radio networks. |

I started in a subsystem called Object Manipulation, which was responsible for mapping agent requests. After three years I had been assigned responsible for the subsystem Versioning. As a project-wide feature responsible and as a one-man subsystem I was in charge of the simultaneous support of different agent versions in the field. As a site-representative I then became part of the Central Design Authority, which elaborated on architectural decisions in the project. Another feature responsibility was the development of a meta data repository, which had to provide static data to newly starting processes as fast as possible. I also worked on the development of the Java interface to the radio network.

My duties included the analysis, design, implementation, testing, error detection and correction as well as the full documentation (feature requests, feature sheets, design specification, functional specification, management reports, etc.) of the project's software

I've acquired knowledge of the following tools/OS through the tasks in this project:
Sun Solaris (OS), Sun Workshop Development Kit (Compiler), ORBIX (CORBA), Sun Solstice Enterprise Manager (Network and Element Management Platform), Eclipse (Java IDE), Rational Rose (UML), Rational Clearcase (Configuration Management System), Oracle (DBMS), Gimpel FlexeLint (Semantic Code Check), Rational Purify (Memory Leak Detection), Rational Quantify (Runtime Analysis), Bullseye C-Cover (Function and Decision Coverage Analysis).

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| 09/1999 - 03/2000 | Internship at the PEAR Laboratory (Princeton Engineering Anomalies Research at Princeton University). My task was to develop a Windows based SW application called DAPS (Data Acquisition and Presentation System), which, along with a handheld random event generator, allows any interested researcher to examine anomalies in human / machine interaction, similar to the procedures followed in 20 years of research at the PEAR Laboratory.<br>The SW has been implemented as a Visual Basic application with MS Access connectivity in order to enable researchers to adapt the SW to their individual needs. Data acquisition and presentation modules have been implemented as ActiveX components. |
| 04/1994 - 12/1994 | Compulsory military service in the Austrian army, deployment at *Starhembergkaserne*, 1100 Vienna |
| 03/1994 - 06/1995 | TV technician at Grundig, repaired TVs that failed during production. |
| 10/1990 - 03/1994 | Apprenticeship as a TV technician at Grundig, 1120 Vienna |

## Skills and Knowledge

- ➤ Ability to work independently, good logical and analytical thinking, able to work in teams;

- ➤ Knowledge of languages: German (mother tongue), English (excellent ability in speaking and writing), Spanish (excellent ability in speaking and writing), Croatian and Serbian (very good speaking ability)

- ➤ Computer knowledge from industry and research:

  - Languages:
    Java (3 years of professional experience), C/C++ (6 years of professional experience), C# (1 year of professional experience), Visual Basic (1 year of professional experience), Perl (2 years of professional experience), SQL (4 years of professional experience), (Bash) Shell Scripting (2 years of professional experience);

  - Java Enterprise Edition (JEE) technologies (2 years of professional experience):
    - o Dynamic web applications: Servlets, Javaserver Pages (JSP),
    - o Model-view-controller architectures: Javaserver Faces (JSF),
    - o N-tier SW-architectures: Enterprise Java Beans (EJB),
    - o Message-oriented middleware (queues): Java Message Service (JMS);

  - Interprocess Communication:
    Sockets, CORBA, Java RMI, COM, .Net Remoting, Web Services, Messaging, etc.;

  - Miscellaneous:
    Service-oriented architectures (SOA), enterprise service bus (ESB), UML, pattern-oriented design, enterprise integration patterns, network technologies, SW development processes Rational Unified Process, Scrum, operating systems Windows, Unix, Linux.

## References

Univ.Ass. Dipl.-Ing. Mag.rer.soc.oec. Richard Mordinyi, assistant at the Institute of Computer Languages at the Vienna University of Technology
tel. +43 1 58801 ext. 18517, email richard@complang.tuwien.ac.at
Mr. Mordinyi has been a fellow researcher.

Mr. Gerald Sauprigl, Department Leader PSE MCS RA5
tel. +43 5 1707 ext. 21150, email gerald.sauprigl@siemens.com
Mr. Sauprigl was head of my business unit at Siemens.

Dipl.-Ing. (FH) Anton Scheifinger, SW developer at the Bundesrechenzentrum
tel. +43 650 8048043, email anton.scheifinger@inode.at
Mr. Scheifinger closely worked together with me when I worked at Siemens.

## Hobbies

Sports (triathlon, ball games), foreign languages, computers, traveling, music, nature

# Liste der abgelegten Prüfungen
## an der Techn. Universität Wien

DIPL.-ING. (FH)  
PETER POLZER  
DRORYGASSE 19-23/3/2  
A 1030 WIEN

DVR: 0005886  
Mnr: 0006351

| Lehr-veranstaltung | Prüfungsgegenstand | Art | Stunden-ausmaß | ECTS-Punkte | Prüfungsdatum | Studium | Note |
|---|---|---|---|---|---|---|---|
| 184.154 | Computer Networks | VL | 3.0 | 4.5 | 29.06.2009 | 786 881 | sehr gut |
| 184.131 | Mobile and Pervasive Computing | VO | 2.0 | 3.0 | 24.06.2009 | 786 881 | sehr gut |
| 184.216 | Internet Security | VU | 2.0 | 3.0 | 23.06.2009 | 786 881 | befriedigend |
| 185.211 | Fortgeschrittene objektorientierte Programmierung | VL | 2.0 | 3.0 | 15.06.2009 | 786 881 | sehr gut |
| 188.394 | Entwicklung von Web-Anwendungen | VU | 2.0 | 3.0 | 15.06.2009 | 786 881 | sehr gut |
| 184.237 | Verteilte Systeme | VO | 2.0 | 4.0 | 30.04.2009 | 786 881 | befriedigend |
| 184.158 | Internet-Applikationen | VU | 2.0 | 4.0 | 16.03.2009 | 786 881 | gut |
| 184.159 | Software Architekturen | VU | 2.0 | 3.0 | 05.03.2009 | 786 881 | gut |
| 185.327 | Peer-to-Peer Systems | VO | 2.0 | 3.0 | 21.01.2009 | 086 881 | gut |
| 185.321 | Architectures for Telecom Services | VO | 2.0 | 3.0 | 13.01.2009 | 086 881 | sehr gut |
| 184.265 | Grid Computing | VU | 2.0 | 3.0 | 04.12.2008 | 086 881 | gut |
| 184.153 | Entwurfsmethoden für verteilte Systeme | VU | 2.0 | 3.0 | 18.07.2008 | 086 881 | gut |
| 184.260 | Technologien für Verteilte Systeme | VL | 4.0 | 6.0 | 10.07.2008 | 086 881 | befriedigend |
| 184.267 | Advanced Distributed Systems | VU | 4.0 | 6.0 | 03.07.2008 | 086 881 | gut |
| 185.215 | Seminar fuer DiplomandInnen | SE | 2.0 | 6.0 | 25.06.2008 | 086 881 | sehr gut |
| 185.226 | Verteiltes Programmieren mit Space Based Computing Middleware | VU | 4.0 | 6.0 | 20.05.2008 | 086 881 | sehr gut |

16 Prüfungen gesamt,  
16 positive Prüfungen,  
39.0 Stunden,  
63.5 ECTS-Punkte

Current classes include:  
Model Engineering (VO, 3 ECTS)  
Model Engineering (UE, 3 ECTS)  
Interface and Interaction Design (VU, 3 ECTS)