Curriculum Vitae

Particulars

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Nationality	CH
Date of Birth	September 28th, 1976

Employment History

04/2008 - today	Telekurs (new SIX) Card Solutions AG, Zürich, software architect
01/2006 - 03/2008	Telekurs Card Solutions AG, Zürich, team leader terminal software
07/2004 - 12/2005	Telekurs Card Solutions AG, Urdorf, software engineer
10/2002 - 05/2004	Sensile Systems SA, Zurich, software engineer
10/2001 - 03/2002	Siemens Schweiz AG, Zurich, internship as a software engineer
04/2001 - 08/2001	Institute of Computer Systems, Federal Institute of Technology Zurich, auxiliary assistant

Continuing Education

2007	Telelogic Rhapsody Tool Training, 4 days
2006	Telekurs Leadership Seminar

Education

1996 - 2002	Master's Degree in Computer Science, completed in 2002 at the Federal Institute of Technology, Zürich
5 years	High school in Langenthal, type C (natural sciences)
8 years	Primary and secondary school in Langenthal

Languages

German	Mother tongue
English	Fluent
French	Moderate

Achievements

Telekurs / SIX	Software development (C/C++) for embedded point of sale terminals (davinci), security models, technical and team lead of terminal software development, software architecture (MDA, Rhapsody).
Sensile Systems SA	Development of client/server software for the integration of a digital video recorder into a TCP/IP network. Linux kernel driver development: hardware-watchdog driver, USB driver infrastructure backport from kernel 2.5 to 2.4, mentoring of a graduand from EPFL developing a PCI DMA driver.
Siemens Schweiz AG	*Internship (6 months):* Design and implementation of client/server software to selectively monitor message traffic between different embedded components of the Siemens Hicom Trading system.
ETH Zürich	*Diploma thesis:* asynchronous middleware-integration of locally computed analyses for the HEDC data warehouse of the NASA HESSI (High Energy Solar Spectroscopic Imager) project. *Term project Neuroinformatics:* eye-gaze tracking of a human eye using wavelet transformations and artificial neural networks. *Term project Computer Science:* extension of the Linux kernel (the scheduler and drivers) to be able to precisely monitor the performance of a single process on Symmetric Multiprocessing (SMP) systems.

Skills

Operating systems	Linux, Solaris, HP-UX, MS Windows
Architectures	Arm 7/9 family, x86, Sun Sparc, HP PA-RISC, embedded Motorola-systems
Programming languages	C/C++, C# .NET, Java (JNI, RMI), Pascal, VisualBasic
Methods	UML, design patterns, Model Driven Development (Telelogic Rhapsody)
Databases	SQL
Tools	MS Visual Studio, Telelogic Rhapsody, Eclipse, Sparx Enterprise Architect, Rational Rose, ClearCase, MS SourceSafe, CVS, Subversion, SNiFF+, KDevelop
Linux	Kernel programming (drivers, scheduler), system programming, GUI development (Qt), system administration
MS Windows	C/C++, C# development (MS Visual Studio, Qt), MS Office applications