Adrian Turtschi
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Mr. Turtschi is a Senior Director Solution Development specializing in delivering intranet- and Internet-based application architectures to large global customers. Adrian has extensive experience building service oriented solutions for geographically and organizationally complex enterprises, particularly in the areas of application integration, information management, and collaboration. He is a published author, which includes one of the first books on the market on Microsoft .NET development. Having worked in various countries both in Europe and across the Atlantic, Adrian is able to work well with people from various cultural and language backgrounds, and through his calm and diplomatic approach he is very adept at reconciling various ideas and opinions.

EXPERIENCE

Avanade (Deutschland GmbH) (http://www.avanade.com/de)   **Kronberg, Germany**
(Joint venture between Accenture und Microsoft)
Senior Director Solution Development   2001 to Present

- Application Architecture: Provide application architecture for intranet/Internet applications and integrating heterogonous systems. In depth experience in Microsoft technologies and applying them in an enterprise environment. Component based system design for service-oriented, multi-tier applications. Special focus on enterprise collaboration and portals.
- Project Management: Recruit, build and manage teams, client communication, multi-site program management, quality reviews and project controlling, estimation and tracking of work efforts.
- Cross Platform Custom Development: Architectural design and implementation of loosely coupled, service based systems.
- Project and Industry Experience: Communications and High Tech, Financial Services and Insurance, Energy and Utilities in Germany, France, Switzerland, Sweden, the Netherlands, U.K, and Ireland.

→ *See separate document for details on recent projects.*

KPMG International/CERING (http://www.kpmg.com/)   **Boston, MA**
Integration Architect   2000 to 2001

- Responsible for integration of components, services and third party applications of KPMG's next generation global knowledge management and collaboration solution (KnewPro). KnewPro is an application supporting collaboration between geographically and organizationally distributed teams, integrating knowledge sharing and content management, team collaboration, enterprise search, workflow, and legacy data connectivity.
- Co-author of KnewPro architecture document.
- Led design and implementation of repository services abstraction layer using a combination of IBM/Apache SOAP and Microsoft .NET Web Services. Wrote additions to Apache SOAP Java classes and Microsoft's .NET framework to address and resolve interoperability problems. Implemented proposed SOAP with Attachments-standard on .NET platform.
- Designed solution for authenticating and authorizing Web Services based on PKI/certificates (see → *Publications*). Wrote Windows 2000 subauthentication DLL using Windows DDK/VC6.
- Designed distributed content repository based on Exchange 2000 and Active Directory (see → *Presentation/Publications*). Wrote data access/data aggregation layer using ADO.NET and C#.
- Active member of Microsoft's Exchange 2000 Joint Developer's Program (April 2000 through Oct 2000). Extensive experience using the Web Storage System as an application development platform.
- Developed connector programs for integration with eRoom, Microsoft Project Central, and LexiQuest.
- Wrote two early prototypes that KPMG successfully presented at Microsoft TechEd and Microsoft MEC conferences (Jun 2000, Oct 2000).

KPMG International, Global Knowledge Exchange   **Boston, MA**
Senior Developer/Architect   2000

- Shared responsibility for overall application architecture of KWorld using Microsoft DNA technologies (IIS 4, SQL Server 7, Site Server 3, Exchange 5.5, COM/MTS business logic). KWorld is KPMG's messaging, collaboration, and knowledge sharing platform used by its 100,000 professionals in 77 countries world wide (http://www.etw.org/2003/case_studies/work_KPMG.htm).
- Responsible for architecture, design and development of Global Search component of KWorld integrating Verity search and Microsoft BackOffice technologies.
- Wrote Level 1 compliant OLEDB Provider to access Verity search collections using VC6.
- Developed and implemented content submission and indexing system running on a SQL Server database to provide advanced search and retrieval capabilities for 100,000+ professional practice documents and 4,000,000+ news items.
- Designed and implemented global content index replication system.

- Led team to develop complex DHTML user interface to KWorld using client side RDS and Microsoft Office Web Components.

Senior Developer   1999 to 2000
- Responsible for design and implementation of indexing and search system to KPMG's global knowledge management content repository and to national intranets using Verity software and Perl scripts.
- Led group to upgrade and integrate KPMG's existing Web-based Contact/CV application into its global knowledge sharing system:
  - Redesigned Oracle backend database.
  - Upgraded various VB5 components to VB6/MTS.
  - Redeployed application to a new set of servers in a different country.

EBSCO Publishing, Web Development Group (http://www.epnet.com/)   **Ipswich, MA**
Software Engineer   1998 to 1999
- Lead developer for Corporate ResourceNet, http://www.epnet.com/titleLists/cr-journals.htm, a corporate research service including 2000 full text journals archived back to 1990, a proprietary corporate directory containing 1.6 million companies, and an image database of 10,000 images. Wrote specifications for the company directory database and the user interface.
- Managed and maintained Collectanea, http://web.archive.org/web/19990418003335/http://collectanea.com/docs/about.html, a 90G corporate desktop library. Performed 15G daily data updates.
- Used Java and C++ to write middleware COM components, created ActiveServer pages, and attached software components running under SQL Server using ADO.
- Integrated e-commerce module and enabled secure transactions.
- Used Perl to write CGI scripts, data extraction and data transformation programs.
- Configured Microsoft IIS, Netscape Web server, and InQuery natural language search engine.
- Analyzed site traffic and search patterns, and improved data search times by 50%.

Brandeis University, Mathematics Department   **Waltham, MA**
Web Master   1996 to 1998
- Initiated Web presence of the department in 1996.
- Installed and configured CERN Web Server software on a Digital UNIX system.
- Built Perl/CGI-based application to manage student enrollment and grades.
- Wrote mathematical visualization and animation software for use in classroom.

Course Instructor (Calculus)   1994 to 1998
- Designed course contents, wrote exams and assigned final grades.

Swiss Telecom   **Bern, Switzerland**
Information Technology Assistant   1989 to 1993
- Installed and managed the local area network - Ethernet and OS/2.
- Installed and supported Microsoft Office software for various Swiss Telecom departments.
- PC hardware and software evaluation and purchase recommendations.
- Editor of Swiss Telecom's information systems newsletter.

SKILLS   **Software Development**
- Programming Languages: C#, C/C++, Java (J2EE, JSSE), Visual Basic (.NET), Pascal
- Microsoft .NET Framework (since Dec 2000; member Early Adopter program), WCF, WPF, WF
- Scripting: Perl, JavaScript, VBScript, UNIX shell scripts
- Development Tools: Visual Studio Team System/Team Foundation Server, JRun Studio
Internet Technologies
- Web Development: ASP.NET, IIS, Tomcat, Struts
- Web Services/SOAP (since Sept 2000): Apache/IBM, Microsoft .NET
- Data Interchange: XML, XPath, XSL/XSLT, SOAP, WebDAV
- Microsoft DNA: IIS, ASP, COM/COM+, MTS
ERP/CRM, Integration
- Integration with SAP NetWeaver, ECC 6.0, WebAS; Duet
- Dynamics AX, Dynamics CRM
- Integration: BizTalk
Team Collaboration, Portals
- SharePoint 2001-2010 (member Microsoft TAP Office "12" & "14", Microsoft JDP, Microsoft EAP)
- Exchange 2000-2010 and Web Store technologies (since April 2000, member Microsoft JDP)
- Lotus Notes, eRoom
Data Repositories, Search
- Databases: Microsoft SQL Server 7.x-2008, Oracle, DB2
- Data Access: OLEDB (wrote provider), ADO/ADO.NET, CDO, JDBC
- Search: Microsoft Search/SharePoint, FAST, Verity Information Server/VDK , InQuery

Systems
- Platforms: all versions of Microsoft Windows, including Windows 2008 Server, UNIX (Solaris, Ultrix), OS/2, VAX/VMS
- Mobility: Windows Mobile, .NETcf
- Security: PKC/PKI, Windows SSPS/LSA (wrote subauthentication package)

Languages
- Fluent in English, French, German

PUBLICATIONS (Book)

C#.NET Web Developers Guide (co-author)
Syngress Publishing, Dec 2001; translated into Italian and Spanish
(http://www.oreilly.com/catalog/1928994504/)

PUBLICATIONS (Magazines)

Structure and efficiency of the world-wide airport network
(with R. Guimerà, S. Mossa, and L. A. N. Amaral),
Proceedings of the National Academy of Sciences, PNAS | vol. 102 | no. 22, May 31, 2005
(http://www.pnas.org/cgi/content/abstract/0407994102v1)

Securing and Authenticating SOAP-Based Web Services (with M. Moore)
XML-Journal, Vol. 2 Issue 9 (Sept 2001) (http://xml.sys-con.com/read/40248.htm)

Exchange 2000: Examine Data Modeling Performance
In Exchange & Outlook Magazine, Feb 2001
(http://www.ftponline.com/archives/premier/mgznarch/exchange/2001/02feb01/at0102/at0102.asp)

PRESENTATIONS

Microsoft SQL Server 2000 High Availability
Invited 75 minute address at SQL Server Days 2003 in Munich, Nov 2003

Migration Strategies from Lotus Notes to Microsoft Exchange
Invited 75 minute address at the Microsoft IT Forum Conference (MEC Europe) in Copenhagen, Nov 2002

C#—die neue Plattform für Java-Entwicklerinnen und Entwickler? Migrations-Überlegungen für eine Re-Definition der Entwicklungsplattform (with A. Vrenko)
(C#—the new platform for Java developers? Thoughts on redefining the solution platform)
Invited 60 minute address at Microsoft Solutions Days in Frankfurt and Hamburg, Apr and Jun, 2002

A Performance Study of Exchange 2000 Data Access Methods
Invited 75 minute address at the Microsoft Exchange Conference MEC in Dallas, Oct 2000

CERTIFICATIONS

MCSD (.NET) - Microsoft Certified Solution Developer .NET (C#, VB6)	2002, 1998
MCSE - Microsoft Certified Systems Engineer (Win2K, NT4)	2001, 1999

EDUCATION

Brandeis University, *Graduate School of Arts and Sciences*	**Waltham, MA**
Master of Arts in Mathematics	1998

University of Bern, *School of Science*	**Bern, Switzerland**
Master of Science in Computer Science and Mathematics	1994

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