

STEPHEN M. MELNICK

CURRICULUM VITAE



Personal Information

Birthplace: Washington, DC, USA
Citizenships: USA – Permanent Austrian Visa
Marital status: Married, one child (9)

Education

1985-1989 John Hopkins University, Baltimore, MD, USA - Master of Science – **Computer Science**
University of Florida, FL, USA - Bachelor of Arts, **Mathematics**

Awards

- Serving at the IAEA when the IAEA and Director General Mohamed ElBaradei were awarded the **Nobel Peace Prize** in 2005.
- Personally coached a senior manager for a meeting with **Bill Gates of Microsoft**.
- CTI Project for General Motors Parts Organization placed in the Smithsonian's 1998 Information Technology Innovation Collection. Innovative product reduced average dealer response time from three hours to three minutes! Quoted as a truly outstanding achievement being made in these remarkable times.

Experience

02/2005-11/2012

International Atomic Energy Agency, Vienna, Austria
Software Architect and Developer / Software *Consultant*

- SharePoint 2010 – Architecture, design and implementation
- Design, implementation and programming of numerous ASP.NET scientific websites using IAEA security guidelines and the OWASP top 10 document for web application security
- Programming languages include C#, VB.NET, ASP.NET, SQL, TSQL JavaScript, HTML and XML
- Customer requirements, technical analysis, web user interface, database design, ASP.NET program design and implementation. Worked with non technical people to design websites.
- Website design for emergency response
- Technical writing and editing
- Presentations

07/2002 – 06/2007

FHW, FHWN, FH Technikum Wien, Vienna, Austria
University of Applied Sciences Lecturer

- Information Technology Lecturer
 - Taught courses in C#, Java, 'C', HTML, Object Oriented Programming, Information Technology Theory, Operating System Principles
- Information Technology Project Management
 - Microsoft Solutions Framework (MSF), SCRUM, various classical software project management models
- Technical and Business English lecturer
 - Technical English for software engineers and technical presentations
 - Business English - professional presentation skills, meeting and negotiation skills in the global environment

1982-2001

Melnick Incorporated, Chapel Hill, NC, USA
Software Architect and Developer / Independent Software Consultant

- Design, implementation, and programming of computer software
- Programming languages include 'C', C++, Java, SQL and Visual Basic
- Various Client-Server architectures
- Software Consultant to various Fortune 500 Companies

Selected Projects

- Designed, Coded, and Tested a Custom Report Generator for the Bell and Howell Mail Processing Group. The Report Generator is written in Visual Basic, Crystal Reports and Oracle Database Server.
- Designed, Coded, and Tested a Computer Telephony System for the General Motors Spare Parts Organization. The system is written in C++ on an IBM RS 6000 computer. (Sybase)
- Designed, Coded, and Tested a Visual Basic Program which tracked reports and sent report messages via email and SNMP to a network management system for Exide Electronics.
- Designed, Coded, Implemented, and Tested a Warehouse Truck Routing System for the Harris Teeter Distribution Center. Wrote the requirements document, general design document and detailed design document for the system which is named the HTDS 500. The system won an award for excellence from the Harris Teeter Corporation.
- Design, Implementation and Programming of a production color label system. System is written in Visual Basic. U.S. Patent applied for.
- Designed, Coded, and Tested a Web Based Medical Forms Processing System. The system is a 3-tier architecture written in VB 6.0, XML, DOM, ADO, ActiveX Reports and MTS. The system supports IBM DB2 and Oracle 8 Database systems for ADP Integrated Medical Solutions.
- Designed, Coded, and Tested an EDI like system, which posted shipment and payment Information for Compaq Computer Corporation. The system is written in Visual Basic and uses ADO to connect to various Oracle Database Servers.

1978-1981

U.S. Navy, Orlando, FL, USA

Technical Instructor

- Taught Mathematics, Physics and Reactor Safety and Principles.
- Full time Nuclear Power Instructor at U.S. Naval Nuclear Power School.
- Personally selected for position by Admiral Hyman G. Rickover.

IT Skills

- **IT Languages:**
C#, C++, , Java, C, SQL, T-SQL, VB.NET; Visual Basic, ASP.NET, ASP, HTML, XML
- **Databases:**
MS SQL Server, Oracle, Sybase, IBM DB2, Access
- **Operating Systems:**
Windows 7, XP, 2000, UNIX, HP-UX, AIX, SUN OS, MS-DOS

Languages

- **English:** Mother tongue, technical writing
- **German:** Conversational

Interests

Future of computing, sustainability, renewable energy resources, nature, alternative medicine, family and health