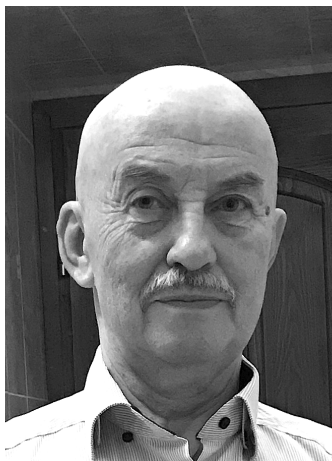


Szilassy, Bertalan | CV



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02. Dec. 1951

Professional / Personal Profile

I am a software engineer (with a strong hardware knowledge, especially in embedded systems, telecommunication and protocols), systems- and applications programmer, systems analyst, and IT project manager, with the following focuses:

- imperative programming languages (Ada, several Assemblers, Basic, C, C++ (11 & 14), C#, Cobol, Java (SE 6, 7, 8), Fortran, Pascal, PL/SQL, Pearl, and several scripting languages) and data description/definition languages,
- database management systems (MySQL, INFORMIX, ORACLE, Rdb),
- integrated development environments for program development and data modelling (IDEs, as Enterprise Architect, Rational Rose, Eclipse, NetBeans, STS 4, Sun Visual Workshop, Sun Forte)
- OO-technology (modelling, methodologies, UML, SysML, RUP) and Web-based technologies, as Spring Boot 2, HTML, XHTML, JavaScript, CSS, SGML, XML, XML-FO, XML Schema, XSLT),
- data communication protocols with a strong ISO-OSI background,
- different UNIX-derivates (Solaris, AIX, HP-UX), and Mac OS X, OpenVMS, VMS operating systems.

I am a systems engineer with the following focuses:

- managing system engineering life cycles,
- requirements and specification management,
- modelling techniques: constructing UML-, SysML-, BMPN-, SPEM-, and IDEF [0, 1, 1X, 4] models.

I am a technical writer as well, with the following focuses:

- developing XML-based modular and reusable documents using DITA with the oXygen tool-set,
- producing large (A1-, A2-size) complex drawings (with CorelDRAW Technical Suite X5, X8),
- constructing sophisticated passive and active web-sites (using Dreamweaver and Adobe CSn).

Education

Techn. College of Telecommunication, Budapest (BSc, Wireless Telecommunication) 1970-1973

University, Budapest (BME, Electronics, Microwave Telecommunication) 1977-1978

University Eötvös Loránd, Budapest, (MSc. Appl. Mathematics) 1980-1985

Professional Memberships and Social Media

academia.edu | [Linkedln](https://www.linkedin.com/in/bertalan-szilassy)

Budapest, 20. October 2024

Software Projects

- PlantCT System**: Developing and producing of state-of-the-art data acquisition systems [2015.06-2018.05], Budapest
- Electronic Parking Systems**: Development of state-of-the-art parking automatons, data processing back end servers, parking sensors and for urban parking systems [2014.09-2015.06], Budapest
- Electrical Power Assistance Steering**: Developing EPS (Electronic Power Steering) Systems for the largest German Carmakers (BMW AG and Daimler AG) [2009.01-2014.09], Budapest
- FMCW Surveillance Radar**: Development of an X-band FMCW surveillance radar-family for military purpose [2006.09-2008.04], Budapest
- Direct Marketing Application**: Development of a CRM-System covering the special needs of the Bank Austria. Base application is the E.piphany CRM-Management System [2005.01-2006.03], Vienna
- Angiography Imaging System**: Developing broadband access for a cardiovascular and angiography imaging system [2003.02-2004.07], Budapest
- ASN.1 / C++ Translator**: Developing a dedicated application server to intelligent networks.- ASN.1 BER Encoding, X.680-690 subset, implementing traditional compiler-structure (scanner, parser, code generator) [2001.11-2002.05], Laxenburg
- Real-Time Database-Loader**: Intelligent, real-time database-loader system for INFORMIX DBs [2000.04-2001.09], Vienna
- OpenVMS / WindowsNT Transaction Protocol**: Providing a sophisticated Internet-interface to a large, legacy banking-application.- developing protocol between OpenVMS and WindowsNT (concept and realising) [1999.04-2000.04], Vienna
- Intelligent Network Administration System**: Developing a large and complex mediation device between the Operational Support Subsystem (OSS) of the GSM network and other intelligent network components for the Deutsche Telekom AG [1997.12-1999.04], Darmstadt
- Database Management and Application Programming**: ORACLE database-management,- application-programming [1997.10-1997.12], Bochum
- Feasibility Study for the Porsche Bank AG**: Requirement analysis, coordination, internal agreements,- feasibility study,- market-analysis of the potential software-solutions [1997.04-1997.08], Salzburg, Budapest
- Redesign and Reimplementation of a GSM Service Provider Billing- and Clearing System**: Developing a special Customer Care & Billing (CCB) system [1995.10-1996.09], Cologne
- Billing and Clearing System for GSM Service Providers**: Developing an extra large, multilingual and complex sw application (Customer Care & Billing System) for the Deutsche Telekom AG [1994.07-1995.06], Darmstadt
- Front-End Teller-Application for a Large Austrian Bank** (cont.): Front-end retail bank solution for cca. 2.000 branches in Austria [1992.11-1993.10], Vienna
- Redesign and Reimplementation of a COBOL I/O Subsystem in VAX MACRO**: Tuning of an existing application,- rewriting the complete COBOL I/O subsystem On VAX/VMS (direct/random read/write/update/delete I/O operations) in VAX MACRO [1992.07-1992.09], Vienna
- Front-End Teller-Application for a Large Austrian Bank**: Front-end retail bank application for cca. 2.000 branches in Austria,- written in VAX-C, Rdb, embedded SQL, RMS, FMS, and with all of the VAXset case tools [1991.04/1991.09], Vienna

References

- General Electric
- Bank für Arbeit und Wirtschaft (BAWAG)
- ARAL AG
- Digital Equipment Corporation (DEC)
- Daimler Benz InterServices (debis)
- ISS Software Services GmbH.
- Digital Equipment Corporation (DEC)
- Internet GmbH
- Digital Equipment Corporation (DEC)