

Current IT Projects

- 2016: Design and create some **Universal Windows Platform (UWP)** apps. See LeanWork.NET.
- 2014 - Present: Design, manage and develop an operations manager application to remotely and securely manage Windows servers controlling manufacturing cells.
- 2000 - Present: Design and create **lean and rich .NET applications, .NET components and Windows Mobile and Universal Apps**.
- 1998 - Present: Design **custom applications for the manufacturing industry**. Functional specification, technical design, write and present proposals, create prototypes, negotiate contracts.
- 1998 - Present: Consult, coach and give **in-house** seminars on architecture and development of enterprise applications, software product development, IT project management and Microsoft .NET.
- 1995 - Present: Monitor, test and assess **new methods and technologies**. Integrate results with ISTEC standards and projects. Motivate, coach and support colleagues.

Past IT Projects

- 2011 - 2013: Designed, managed and developed a tool to standardize and manage **control unit application**, test plans and test results for a large auto maker (WPF, WCF, SQL Server using FileStream and Replication).
- 2012: Created "[Alpha-Bravo Speller](#)", a Windows Phone app that spells and speaks any text you enter including special characters.
- 2011: Created "[Currencies](#)", a multi-currency converter app for Windows Phone.
- 2010: Designed and developed an [OData](#) browser featuring joins across heterogeneous data sources.
- 2000 - 2009: Gave **seminars and lectures** about „Building Applications and Services with .NET“, „Patterns for Application Architecture and Integration“ and „IT Project Management“ at [Deutsche Informatik-Akademie](#) (DIA), IT-Akademie Esslingen and the [International University in Germany](#), Bruchsal
- 2007 - 2008: Managed development and operations of a highly customized Dynamics **CRM application** integrated in the sales landscape of a large automaker.
- 2007 - 2007: Created feasibility studies for **rich editor grids** in a ASP.NET application framework. Coded a demo editor using FarPoint Spread.
- 2000 – 2006: Designed several management systems for **measuring equipment**, crash planning and calibration data for automakers.
- 2004: Designed an **ASP.NET application framework**. Implemented security, tracing, logging, ADO.NET database layer.
- 1999 - 2000: Designed and managed a **quality data management system** for a car manufacturer. Implemented critical components. UML,

ISTEC.SCALA® 4-tier architecture, Visual Basic, MS Cluster Server, MS Transaction Server, ADO, Oracle Fail Safe, XML, multithreading, asynchronous communications.

- 1998 - 1999: Designed ISTEC.SCALA®, a component based, scalable **multi-tier architecture** for Microsoft DNA (DCOM) and Java (CORBA).
- 1998: Designed and implemented an **application framework** for logistics applications. MS Cluster Server, Visual Basic, message queues, RDO, Oracle Fail Safe.
- 1997 - 1998: Designed and managed a **text translation management** system. Implemented critical components. Fat-Client, Visual Basic, RDO, Oracle, Oracle ConText, Unicode.
- 1993 – 1997: Created the product ISTEC.PMÜ®, a test equipment management system. Marketing, project management, design, implementation of prototypes and main components, support, demos at fairs, pre sale and after sale support. MS Access, ODBC, MS SQL-Server, Oracle.

Ancient IT Projects

- 1991 - 1993: Managed the ISTEC department „**Fault-tolerant Systems**“. Budget responsibility, marketing, project management.
- 1989 - 1991: Consulted a car manufacturer on **enterprise level logistics** for spare parts and accessories.
- 1987 - 1990: Managed development of a **spare parts** and accessories management system for a car manufacturer. Project management, designing the functional and technical architecture, management presentations. Evolutionary development, COBOL, IDMS, IBM Hosts, 450 person months, 14 developers.
- 1985 - 1987: Designed and implemented an application framework on **Tandem** computers. User interface, program skeletons, application management, security. Guardian OS, Pathway TP monitor, COBOL.
- 1982 – 1983: Designed and implemented the order processing functionality, parts list processor and database interface for the **ERP system** PIUSS. COBOL and SCOBOL.