

Curriculum Vitae

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Data of birth June 28, 1974
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Profile

Ability to assess technology regarding feasibility for specific application domains. Open communication attitude. Clear sense of direction while flexible dealing with changing circumstances and risks. Adding value in a structural way for customer and company through projects, actively giving direction, beyond pure technical challenges. Operate at technical system level in a role that connect customers and the team that will make it happen (the linking pin).

Employment

2007 - Today **Senior Architect at RialtoSoft / HUMIQ**

Various projects for mainly automotive customers executed both in the Netherlands and on-site.

Responsibilities / Achievements:

- System architecture for truck cabin systems
- Liaison to several truck system manufactures
- Team lead of small development team for truck systems.
- Resolving issues with real-time operation in combination with XP Embedded.
- Architecture and deployment of security software strategy for several production sites in Europe and Asia.
- Requirements specification and planning of Job editor enhancement project.
- Requirements engineering and software architecture definition for a functional safety library for IEC61508 SIL-3 compliment development of safety critical automotive systems.
- Analysis of the behaviour dynamic behaviour of an air bag control unit. The results are used to enhance the software- and system architecture documentation of the air bag system. The processes and documentation where successfully audited on Automotive Spice Level 2 (ISO 15504).
- Platform architecture analysis for instrument clusters. This resulted in architecture documentation of all existing products and a roadmap for evolving these products into an AUTOSAR based platform architecture.
- Concept definition of JAVA based configuration-tool for generating AUTOSAR RTE alike interfaces between components.
- CPU load analysis for a power steering system, identifying performance bottlenecks in the architecture and implementation. This resulted in a list of improvement recommendations with minimal impact on the total system.

2002 - 2007 **Software Architect at TASS**

Various projects located at customers, in Germany and the Netherlands, and for the TASS internal hardware/software working group.

Responsibilities / Achievements:

- System architecture for an image processing application.
- Defining the architecture an AUTOSAR based software package for in-vehicle networking (CAN, LIN & Flexray).
- Defining and guiding innovation projects with external parties.
- Outsourcing software activities to NXP Bangalore.
- Leading a small software development team.

- Software architecture design of speech recognition application running on a DSP.
- Presentation on D&E seminar on usage of embedded tooling.
- Providing internal FPGA training for TASS.

2000 - 2002

Software Engineer at Bosch Rexroth Hydraudyne

Development of a Linux based real-time control system for motion systems used in e.g. theme park rides, flight simulators and test equipment. The project was a pilot project for a MIL-STD-498 based quality system.

Responsibilities / Achievements:

- Requirements engineering of a new control platform.
- Architectural concept design of a new control platform (Object oriented, C++) .
- Configuration manager of entire embedded software system.
- Introduction of configuration management

1997 - 2000

Embedded Software Engineer Océ Technologies

Control system design for the paper flow of width-format printing systems.

Responsibilities / Achievements:

- Design of embedded sub-system for part of the paper-flow in close cooperation with other disciplines.
- Design of automatic software upgrade facility.
- Configuration manager of entire embedded software system.
- Coaching of temporary employees.

Languages

Fluently

Dutch, English and German

Education

1993 - 1997

Fonty's Hogeschool Eindhoven

Electronics – Technical Computer Science

- Subjects: Digital IC design, system design, computer architectures, programming techniques, telematics and electromagnetic compatibility.
- Graduation subject: Remote services concept for climate-control systems used in agricultural and food processing applications.

2009	8D problem solving training	NXP
2009	3D advance Thinking / Performance training	Performance Company
2009	MS .NET technology overview part 1 and part 2	Twice IT Training
2008	System Modelling – Matlab / Simulink / RT workshop	Fonty's Hogeschool
2008	Advanced German course	
2007	Requirements engineering (Volere)	ICT-NoviQ
2007	Handel-C FPGA modelling	Celoxica
2006	Integrity RTOS and MULTI IDE training	Green Hills Software
2005	Training DOORS requirement management – A practitioner approach	NXP
2005	Boundary Scan – Demystified	Q-Star
2005	Handel-C FPGA modelling	TASS
2005	The seven habits of highly effective people	Franklin Covey
2005	Microsoft XP embedded development kit in-depth	PTS/Trident
2004	SYSARCH System architect(ing)	Philips CTT / ESI
2004	PSP, Personal Software Process	TASS
2001	Basic course hydraulics	Bosch Rexroth
1999	Continuus Buildmanager training	QA-Systems
1999	Workshop Software inspections	Improve quality service
1998	Safer-C	Les Hatton
1998	Basic course Unix	AT-computing
1997	SA/SD for real-time systems	IBM