Curriculum Vitae

Personal Data

Name:	Johan Bezem
Date/Place of birth:	1964 in Rotterdam (The Netherlands)
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	Married
Nationality:	Dutch
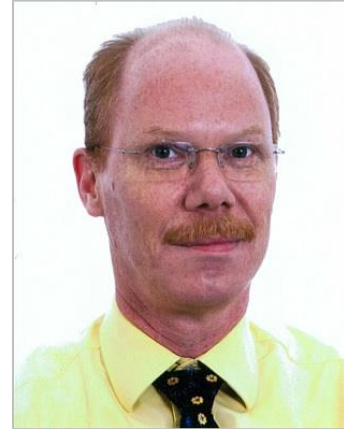
Education

1970 – 1976	Primary school "De Wingerd" in Oosterhout (The Netherlands)
1976 – 1982	Grammar school "St. Oelbert" in Oosterhout (The Netherlands) Final result: Diploma
1982 – 1988	Electro-technical engineering – Technical University Eindhoven (The Netherlands); Main study areas: Communication technology, technical computer science. Thesis: Design for an implementation of the TCP/IP protocol for the 'Waterloo Port' network operating system. Final result: Diploma (comparable with MSc.)

Practical work (in parallel)

07/1985 – 12/1985	Profisoft, 1120 Vienna (Austria); university assignment. Development of hard-, soft- and firmware for creating a network with MSX-computers as workstations and a 286 PC (operating system UCSD-p) as a server. Later successfully marketed by Philips as a network for schools, under the name "NMS 3200/00 Webwork".
11/1986 – 08/1988	PC Robo, Valkenswaard (The Netherlands); student job. Customer and dealer support for the network operating system 'Waterloo Port' from the Canadian software house 'Waterloo Microsystems Inc.' for the Dutch/Benelux market.

Intermediate job

09/1988 – 02/1989	Volleman Computer GmbH, Hamburg (Germany); Customer and dealer support for the network operating system 'Waterloo Port' from the Canadian software house 'Waterloo Microsystems Inc.' for the German speaking market (Germany, Austria, Switzerland).

Army

03/1989 – 04/1990	"43 Tankbataljon" stationed in Bergen (Kr. Celle, Germany).

Professional life

06/1990 – 04/1994	Freelance developer in assignment of TMS GmbH, Hildesheim, for Blaupunkt, in Hildesheim (Germany); Embedded software development for the control unit of the distributed car radio 'Berlin RCM 303-A'. Two developers, language 'C', processor Siemens 80166.
05/1994 – 07/1995	Freelance developer and team leader (6 developers) in assignment of TMS GmbH, Hildesheim, for Blaupunkt, in Hildesheim; Embedded software development and project leader for the systems 'Bremen RCM 106' and 'New York RDM 106'. Up to 6 developers, language 'C', processor Siemens 80166 as Multi-Chip-Module.
08/1995 – 04/1997	Freelance architect and project leader in assignment of TMS GmbH, Hildesheim, for Blaupunkt, in Hildesheim; Architect and project leader for the development of 6 different infotainment systems from the same code base, for three different car manufacturers. Up to 35 developers, language 'C', main processor C167 as Multi-Chip-Module.
05/1997 – 02/1998	Freelance developer and architect in assignment of TMS GmbH, Hildesheim, for different customers (Ericsson, Hildesheim, among others), as well as TMS internal; Test software for ISDN equipment, setting up and supporting network installations, as well as the TMS-internal development environment.
03/1998 – 04/1999	Freelance architect and project leader in assignment of TMS GmbH, Hildesheim, for Mannesmann VDO (now Continental Automotive) in Wetzlar (Germany); Draft concepts and specifications for the audio component of an infotainment system, as well as on-site project leader for 4 TMS developers.
05/1999 – 07/1999	Freelance developer in assignment of Future Consulting GmbH, Königstein (Germany), for BancTec GmbH in Langen (Germany); Architecture, design and development for a data conversion program to be embedded in a workflow environment. Conversion of EDIFACT files into an SQL database (Informix ESQL-C on SuSe Linux 6.1, target platform HP-UX 10).
08/1999 – 12/1999	Freelance project leader in assignment for CSK Deutschland GmbH (now Dion Transaction Solutions GmbH), Frankfurt (Germany); Project leader for a protocol converter targeting arbitrary protocols, based on XML. Server component in C++, GUI for configuration in Tcl/Tk.
01/2000 – 05/2003	Operations Manager (permanent contract) for the development department of CSK Deutschland GmbH (now Dion Transaction Solutions GmbH), Frankfurt (Germany); Responsible office manager for the second CSK office in Frankfurt, deputy development manager for up to 50 employees, department manager responsible for system administration, documentation and help

	desk (totaling 15 employees), development internal project leader for several larger projects.
	Also active as a developer, for the implementation of an interface to the London derivatives exchange 'LIFFE' using C++ and CORBA, as well as the concept and implementation for a unified, platform independent development environment based on GNU make 3.79.1 for Solaris, Windows, AIX, HP-UX.
06/2003 – 09/2003	Freelance team leader in assignment of MegaPart GmbH, Karlsruhe (Germany), for Siemens VDO automotive (now Continental Automotive) in Regensburg (Germany), responsible for the continuous integration of software components for the head unit of an OEM infotainment system and "comfort electronics" of the vehicle. Five team members, language C++, processors Hitachi SH3 and Thomson ST-7, MOST and CAN networks (CANoe/CANalyzer, OptoLyzer), IDL, UML (Rhapsody), ClearCase, and ClearQuest.
10/2003 – 12/2003	Freelance consultant in assignment of SOLCOM GmbH, Reutlingen (Germany), for BMW AG, Munich (Germany), responsible for process analysis in the area of 'information & communication systems', for development and supplier management. Requirements management, DOORS, Change Synergy, PSP, TSP, CMMI, V-Model.
01/2004 – 03/2004	Freelance developer in assignment of Reutax GmbH, Heidelberg (Germany), for IBM, Mainz (Germany), responsible for the internal database of a navigation and logistics unit for transportation vehicles. Language C++, platform Linux, GCC 3.3, Eclipse, target platform ARM7, operating system pSOS/pRISM+, database CTree.
04/2004 – 01/2005	Freelance system designer in assignment of Reutax GmbH, Heidelberg (Germany), for IBM, Mainz (Germany), project locations Mainz and Siemens AG, Vienna (Austria). New development of logistics equipment for the transportation industry, based on the results of the previous project. Language C++, platform Linux, GCC 3.3, Eclipse, target platform ARM7, operating system pSOS/pRISM+, ClearCase/ClearQuest.
02/2005 – 11/2005	Freelance embedded specialist in assignment of TietoEnator (formerly SESA AG), Eschborn (Germany), for Delphi-megamos, Wiehl (Germany). Code reviews and general quality enhancements in an existing embedded application with multiple variants before delivery into production. Language C, platform Windows, Greenhills compiler, target platform NEC V850, CM/Synergy, ChangeSynergy, MISRA, QA-C, PC-Lint, PolySpace.
12/2005 – 04/2006	Freelance embedded specialist in assignment of TietoEnator (formerly SESA AG), Eschborn (Germany), for Delphi-megamos, Wiehl (Germany). Design and development of a body computer for a full series of cars. Language C, platform Windows, target platform NEC V850, Standard Core 6.x, CM/Synergy, ChangeSynergy, MISRA, QA-C, PC-Lint, PolySpace.

05/2006 – 01/2007	Freelance embedded specialist in assignment of EDM, Engelskirchen (Germany), for Siemens VDO Automotive (now Continental Automotive), Wetzlar (Germany). Architecture support and design for low-level system software for a navigation platform. Language C, platform Windows, target platform ST10, CM/Synergy, Change Synergy, MISRA, QA-C, PC-Lint.
12/2006 – 04/2008	Freelance project manager in assignment of Harvey Nash, Ludwigsburg (Germany), for Valeo Switches and Detection Systems, Bietigheim (Germany). Software project manager for a team of 5 developers, responsible for software development and testing according to SPICE, a SPICE assessment as well as the normal range of project management duties, also in direct contact with the customer (BMW), a project in the area of steering angle detection and steering wheel levers. Language C, platform Windows, target platform S12X/Flexray, Standard Core 6.7, Dimensions, DOORS, MISRA, QA-C, PC Lint, PolySpace.
05/2008 – 12/2008	Freelance software architect and designer in assignment for Delphi Deutschland GmbH, Engelskirchen (Germany). First as a developer responsible for the commissioning of a first prototype, then as the architect and software project lead for the complete implementation, including direct communication with the customer (FIAT); a project in the area of body computing. Language C, platform Windows, target platform V850FJ3, CM/Change/Synergy, DOORS, MISRA, QA-C, PC Lint, PolySpace, VaST METeor simulation.
01/2009 – 12/2010	Freelance software architect and designer in assignment of Hays AG, Mannheim (Germany), for B.Braun Avitum AG, Melsungen (Germany). As architect responsible for the refactoring of a system-BIOS, including realization. Additionally, responsible for configuration management (transition from CVS to Subversion), software quality (introduction of PC Lint / FlexeLint) as well as module design and debugging; a project in the area of dialysis equipment. Language C, platform Windows, target platform ColdFire MQX / BlueCat Linux / Xilinx MicroBlaze, CVS, Subversion, DOORS, MISRA, PC Lint, CUnit, doxygen.
07/2010 – 12/2010	Freelance embedded systems specialist in assignment of BackUp GmbH, Gummersbach (Germany), for Panasonic Automotive Systems Europe GmbH, Langen (Germany). As an assistant project manager for a project team for more than 300 software developers I was responsible for software integration and release management for an infotainment system platform for a large car manufacturer. Languages C/C++/Java, platform Windows Automotive 5.0, processors SH4/V850, Subversion.
01/2011 – 10-2017	Freelance embedded systems specialist in assignment of Harvey Nash, Ludwigsburg (Germany), for Valeo Switches and Detection Systems, Bietigheim (Germany). As a software architect and developer responsible for the software of various steering angle and switches modules, including ASIL A-D requirements. Later active as crisis manager and software project manager for multiple projects. Languages C and assembler, target

	platforms Freescale S12X/MPC560x, Renesas R8C/RL78, CAN/LIN/Flexray, CANoe, Serena Dimensions, DOORS, MISRA, QA-C, PC Lint, PolySpace, doxygen, A-SPiCE, ISO 26262.
11/2017 – 06/2020	Freelance technical software project manager in assignment of Centomo, Stuttgart (Germany), for Peiker Valeo Telematics, Friedrichsdorf (Germany).
	As software project leader of a global team I was responsible for the development of various telematics units for Japanese, Chinese and French OEMs. Environment with Autosar and embedded Linux, TeamForge/git as CI platform, Renesas RH850 and Qualcomm 9x28, 3G/4G, CANoe, USB, Ethernet, DOORS, doxygen, ISO 26262.
09/2020 – 09/2022	Freelance software developer in assignment of SOLCOM GmbH, Reutlingen (Germany), for Arnold & Richter Cine Technik GmbH (ARRI), Munich (Germany).
	As software developer I created application enhancements for a new generation of professional film cameras. Environment agile (Scrum), with Yocto embedded Linux, Ubuntu, git, PC Lint Plus, SharePoint, Jira, Jenkins, C/C++, USB, ethernet, NVMe, SSD.
09/2022 – 06/2024	Freelance software developer and DevOps engineer in assignment of SOLCOM GmbH, Reutlingen (Germany), for Arnold & Richter Cine Technik GmbH (ARRI), Munich (Germany).
	As a member of the DevOps team I am responsible for the design, development and operation of the environment for around 200 engineers – development, testing, production. Debian/Ubuntu servers, Yocto embedded Linux, C/C++, CMake, Docker, GitLab, Jira, Kanban/Scrum.

Various

Specialties:	Software architecture, quality management for embedded systems, development and maintenance of embedded operating systems, low-level assembler programming, project management.
Languages:	
• Dutch	Fluent, both written and oral (native language)
• German	Fluent, both written and oral
• English	Fluent, both written and oral
• French	Basic knowledge
• Greek	Basic knowledge

Details also on my website, at https://bezem.de/.

There you'll also find the latest version, as well as one in German.

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