Dr. Sebastian Wedeniwski

IBM Distinguished Engineer, CTO Automotive Industry

Sebastian is an IBM Distinguished Engineer who is continuous driving optimized business solutions through IT innovation specifically with automotive clients. In this activity he was the inventor of many unique optimization algorithms.

He is the Chief Technology Officer for IBM Automotive Industry Japan leading the technical strategy for data-centric business models and connected vehicles to create new solutions to address the physical and virtual mobility demands of the industry.

Sebastian has more than 21 years experience in the IT and 12 years in the Automotive Industry. He has a strong reputation recognized globally within and outside IBM as a member of IBM's IT Architect profession, IBM Academy of Technology Leadership Team, and IBM Technology Team Advisory Council.

Before joining IBM Research & Development Laboratory Germany as chief IT architect for payment systems in banking environments in 1998 he managed and owned two software development companies.

He graduated (Associate's Degree/Diploma) both in Mathematics (Cryptography) and Computing Science (Computational Mathematics) in 1997 and received his Doctorate Degree in Mathematics (Number Theory) from the University of Tübingen in 2001. Between 1998 and 2005 he set many mathematical computation world records and led the project ZetaGrid which was the first large distributed computation grid within IBM connecting 11,000 systems. In 1993 he was winner at the 12th German Nationwide Contest for Computing Science (BWINF).

Sebastian is a member of the International Association of Software Architects (IASA) and Association of The Open Group Enterprise Architects.

Professional History

From (mm/yy)	To (mm/yy)	Company / IBM Organization	Job Title	Role Summary
06/2014	Present	IBM Automotive Industry	IBM Distinguished Engineer, CTO Automotive Industry Japan	Chief Technology Officer for IBM Automotive Industry Japan. Leading the technical strategy for data-centric business models and connected vehicles to create new solutions to address the physical and virtual mobility demands of the industry.
07/2009	06/2014	IBM Integrated Account Daimler	IBM Distinguished Engineer, Global Client Technical Advisor Daimler	Lead IBM global team of technical architects supporting global Daimler operations, strategy and planning.

From (mm/yy)	To (mm/yy)	Company / IBM Organization	Job Title	Role Summary
01/2006	07/2009	IBM Integrated Account DaimlerChrysler	Client IT Architect and Technical Advisor Daimler-Chrysler	Lead IBM global team of technical architects supporting global Daimler operations, strategy and planning.
01/2003	12/2005	IBM Business Consulting Services	Chief IT Architect for Technology Integration at DaimlerChrysler	Assignment to design and implement the Pro-Active Infrastructure (PAI) at DaimlerChrysler as part of the global automotive Industry Solutions – Automotive Common Environment (ACE).
06/1998	12/2002	IBM Development Lab Böblingen	Senior development-team leader and chief architect	Working jointly with IBM Lab Boeblingen and IBM Global Services – Business Innovation Services. Assignment to create advanced payment document processing assets in banking environments – working with banks including Commerzbank and Bank Austria.
10/1997	02/1998	Rensselaer Polytechnic Institute, USA	Research Associate	Researcher in the field of Practical Computer Science at Rensselaer Polytechnic Institute, Department of Computer Science, USA.
10/1996	04/1998	University of Tübingen, Germany	Scientific Assistant	Tutorial, instructor and Research Assistant in the field of Practical Computer Science.
04/1993	12/1998	Software development companies “Piologie” and “HiPiLib”	Owner and president	The company “Piologie” focused on software solutions for building trade with the largest business partner Meva Schalungs- systeme and the international projects MaPos and MevaCAD. The second company “HiPiLib” was focused on deep algorithmic software solutions for cross-industry solution deployment. The largest business partners were Compaq for a complex arithmetic library and I&T Entwicklungs-GmbH for a solution to reduce the complexity of cables in automobiles and airplanes.
06/1985	04/1993	Miscellaneous activities	Software Developer	Designing and developing various software solutions for different companies (Fortuna, Daimler Benz, Behindertenanstalt Stetten, and Förster&Scharf). First four years working (with some assistance) only for Fortuna GmbH for a computer-controlled programming system with interactive graphic simulation for the grinding of non-cylindrical work pieces. In 1991, developing for Daimler Benz test procedures for motors.