


Curriculum Vitae

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Personal Data	Name	DI (FH) Dr. tech. Stefan Probst	
	Birthday	24.07.1978 in Vienna, Austria	
	Address	Anna Strasse 17 A-7431 Bad-Tatzmannsdorf Austria	
	Nationality	German	
	E-mail	email@stefanprobst.com	
Education	11.2004	Finished PhD studies at the Johannes Kepler University in Linz, passed with distinction	
	06.2000	Diploma at the university of applied science for software engineering in Hagenberg	
	06.1996	General qualification for university entrance (Matura) at BORG Güssing with focus on informatics	
Diploma Thesis	Topic	Study the applicability of the Java language for developing large scale software systems in the context of high-energy physics (at CERN, CH)	
	Handed in	June 2000	
Dissertation	Topic	GAMMA – A platform independent framework for reusable authentication, authorization and auditing components	
	Handed in	October 2004	
Professional Experience	<i>Company</i>	<i>International Atomic Energy Agency (IAEA) V.I.C., PO Box 100, A-1400 Vienna, Austria</i>	
	Contact Name	Michael Scott Partee (Acting Unit Head) m.s.partee@iaea.org	
	Supervisor	Lawrence Simmons (Acting Section Head) l.simmons@iaea.org	
	09.2009 - 09.2018	<u>Description of Duties:</u> IT Application Security Engineer and technical lead for the Authorization Management project, featuring role & attribute-based access control and row-level data filtering. Technical lead for the Security Model project, enabling secure transfer of data between the air-gapped high secure network and low-side internet facing network. Technical expert for ICT security topics, like cryptography (PKI), authentication, authorization, and data integrity, and cyber security matters (incident handler). Technical expert and architect for advanced topics in Active Directory, Kerberos (and other authorization protocols) or other Windows Server-related issues. Subject Matter Expert for (.NET based) in house Development following an agile approach (SCRUM), ensuring a smooth integration to the IT infrastructure. Subject Matter Expert Infrastructure / Deployment (DevOps - automated deployment of in-house developed software following an agile SDLC) Technical Evaluator in the Change Management Team Subject Matter Expert for IT Security Components used in the IAEA	

<i>Company</i>	<i>University of applied sciences St. Pölten Matthias Corvinus-Strasse 15, A-3100 St. Pölten, AT</i>
Contact Name	FH-Prof. DI Johann Haag johann.haag@fhstp.ac.at
09.2007 – 01.2008	<u>Description of Duties:</u> Lecturer at the university of applied sciences in St. Pölten / IT Security, course title: "Security concepts in distributed systems"
<i>Company</i>	<i>Siemens AG Austria, SIS Gudrunstrasse 11, 1101 Wien</i>
Contact Name	Hannes Lenhardt hannes.lenhardt@siemens.com
Supervisor	Werner Hornik werner.hornik@siemens.com
10.2008 - 09.2009	<u>Description of Duties:</u> Project Manager and Network Planner for 3 rd gen mobile networks, Topic manager for IT-Security Training of staff and customers in IT-Security areas, like PKI, secure application development, usage of cryptography.
<i>Company</i>	<i>Siemens AG, Corporate Information Office Otto-Hahn-Ring 6, München, Germany</i>
Contact Name	Klaus Neuberger (not employed anymore)
Supervisor	Werner Hornik, Resource Manager werner.hornik@siemens.com
12.2005 – 09.2008	<u>Description of Duties:</u> Job Title: Consultant for Corporate Information Office – Governance Information Security (CIO G IS) Working as Program Manager for Mobile and Workplace Security Responsible for writing and updating mobile and workplace-related chapters of the corporate IT security policy. Topic Manager for Corporate PDA Service Topic Manager for Governance Mobile and Workplace Security
<i>Company</i>	<i>Microsoft Austria GmbH Am Europlatz 3, 1120 Wien</i>
Contact Name	Dr. Ralph Zeller (not employed anymore)
10.2004 – 10.2005	<u>Description of Duties:</u> Job Title: <i>Microsoft Education Technology Advisor</i> for Western Austria (Microsoft Austria GmbH, temporary position) Pre-sales activities, education and training in development (.NET) and infrastructure (Microsoft Server) topics for public sector customers (preliminarily teachers) Educating customers in (secure) software development and architecting software systems.
<i>Company</i>	<i>SSW Consulting (Self-employed) Jormannsdorf 99, 7431 Bad-Tatzmannsdorf, Austria</i>
Contact Name	Dr. Stefan Probst stefan.probst@ssw-consulting.net
10.2003 – 09.2009	<u>Description of Duties</u> Job Position: Consultant for IT-Security (ssw-consulting.net)

	<i>Company</i>	<i>University of Applied Sciences Softwarepark 11, A-4232 Hagenberg, Austria</i>
	Contact Name	FH-Prof. DI Dr. Heinz Dobler, vice dean Heinz.dobler@fh-hagenberg.at
	10.2001 – 12.2008	<u>Description of Duties</u> Job Position: Lecturer, teaching the courses: Operating Systems, Network Technology, Formal Languages and Compiler Construction, Distributed Software Systems, Computer Supported Collaborative Work
	<i>Company</i>	<i>Software Competence Center Hagenberg (SCCH) Softwarepark 21, A-4232 Hagenberg, Austria</i>
	Contact Name	Dr. Klaus Pirklbauer, CEO klaus.pirklbauer@scch.at
	Supervisor	Dr. Wolfgang Essmayr (not employed anymore)
	09.2000 – 08.2004	<u>Description of Duties</u> Job Position: Member of Scientific, starting with January 2001 project manager of strategic security project "GAMMA" (Generic Authorization Mechanisms for Multi-Tier Applications), a software framework for re-usable security components (authentication, authorization, auditing) for software applications
	<i>Company</i>	European Organization for Nuclear Research (CERN) Geneva, Switzerland
	08.1999 – 05.2000	Practical semester and diploma thesis at the "European Organization for Nuclear Research" (CERN) in Geneva, Switzerland
	<i>Company</i>	AUTECH GmbH
	08.1997 – 09.1997	Internship at AUTECH GmbH, Radolfzell, Germany: Introduction and Adaption of an ERP system
	08.1998 - 2000	Working for AUTECH GmbH and several other companies as IT Consultant (mainly over Internet)
Professional Training & Certifications	03.2016	Certification as GCIH (GIAC Certified Incident Handler)
	06.2015	Certification for ITIL Foundation
	11.2014	Certification for COBIT 5 Foundation
	08.2013	Certification for PRINCE2 Foundation & Practitioner
	03.2011	Certification as CISSP (Certified Information Systems Security Professional)
	10.2008	Training and certification as OCSE (Optenet Certified Systems Engineer)
	2001	Training for Microsoft Solutions Framework (MSF)
Oral Presentations	2006 – 2008	"IT Security Roadshow – How (in)secure are our systems", at various (Security-) Events (in various locations in Austria)
	30.10.2006	"PKI Workshop – Foundations, Concepts, and Application of PKI in an corporate environment", at <i>Österreichische Bundesbahnen (ÖBB)</i>
	2004 – 2005	Various presentations and workshops in the area of software development, .NET, Windows Vista, IT-Security.
	12.12.2002	"Reusable Components for Developing Security Aware Applications" at the <i>18th Annual Computer Security Applications Conference</i> in Las Vegas.
	01.08.2002	"IT-Security" at <i>Upper Austrian Health Insurance Company</i>
	26.03.2001	"Generic Security Mechanisms" at <i>SCCH Research Presentation</i>

Publications	Bauer M., Probst S.: "Softwareentwicklung", Wissen ist MANZ (Education course book for software engineering), ISBN: 978-3-7068-2776-8, 2007.
Books	
Tutorials, Scripts	Probst S.: "Betriebssysteme – Grundlagen und Konzepte", (Operating Systems – Principles and Concepts), Skriptum zur LVA "Betriebssysteme", Fachhochschule Hagenberg, 2001, 2nd Edition: 2005.
Scientific Publications	Probst S., "GAMMA – A platform independent framework for reusable authentication, authorization, and auditing components.", <i>Dissertation zur Erlangung des akademischen Grades Doktor der technischen Wissenschaften</i> , Linz, Oct. 2004.
Technical Reports	Probst S., Küng J.: "The need for declarative security mechanisms", <i>Proc. 30th EUROMICRO and DSD Symposium</i> , Rennes, France, Sept. 2004.
	Ziebermayr T., Probst S.: "Web Service Authorization Framework", <i>Proc. ICWS04</i> , San Diego, 2004.
	Probst S.: "Security in Web-based Information Systems", <i>Institute for Applied Knowledge Processing</i> , Johannes Kepler University, May 2004.
	Probst S.: "Vernetzung – Einführung in Netzwerke", Skriptum zur LVA "Netzwerktechnologie", Fachhochschule Hagenberg, 2001-2004.
	Essmayr W., Probst S., Weippl E.: "Role-based Access Controls: Status, Dissemination, and Prospects for Generic Security Mechanisms", <i>Electronic Commerce Research</i> , Kluwer Academic Publishers 4(1), pp 127-156, Jan. 2004.
	Probst S., Essmayr W., Weippl E.: "Reusable Components for Developing Security-Aware Applications", <i>Proc. 18th Annual Computer Security Applications Conference</i> , Las Vegas, NV., Dec. 9-13, 2002.
	Essmayr W., Leonhardsberger H., Probst S., Stockner W., Weippl E.: "Qualitative Evaluation of Authentication Approaches for eBanking", <i>Technical Report SCCH-TR-0215</i> , Software Competence Center Hagenberg, 2002.
	Essmayr W., Leonhardsberger H., Probst S., Stockner W., Weippl E.: "State-of-the-Art of Authentication for eBanking", <i>Technical Report SCCH-TR-0214</i> , Software Competence Center Hagenberg, 2002.
	Essmayr W., Probst S., Weippl E.: "A Comparison of Distributed Authorization Solutions", <i>Proc. 3rd Int. Conf. on Information Integration and Web-based Applications & Services (IIWAS)</i> , Linz, Sept. 10-12, 2001.
	Probst S., Weippl E., Ziebermayr T.: "GAMMA: a Framework for Access Control", <i>Technical Report SCCH-TR-0178</i> , Software Competence Center Hagenberg, 2001.
Languages	German (Mother tongue) English (fluently, working language) French (moderate)

More detailed information and working samples can be found on my personal website at <http://www.stefanprobst.com>