

Dipl.-Ing. (FH)  
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## Profile



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Name:	<b>Jörg Peter Steindlberger</b>
Languages:	<b>German (native), English (fluent)</b>
Fields of activity:	<b>Information Security, Information Technology</b>
Main focus:	<b>Consulting, Planning, Auditing, Concepts and Maintenance</b>
Industry:	<b>Aviation, Leisure, Logistics, Finance</b>

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# Curriculum Vitae

- 2010 – now**     **Security and IT Consulting, Freelance**  
*Information Security Management*  
*IT Security, Auditing, Consulting*  
*Linux- and Unix Systems Engineering*  
(For details see chapter "Project Experience")
- 2000 – 2010**     **Security and IT Consulting, usd.de AG**  
*Linux- und Unix Systems Engineering*  
*Trainer for Unix System Administration*  
*Information Security Management*  
*IT Security Consultant*  
*Auditor for PCI DSS*  
(For details see chapter "Project Experience")
- 1995 – 2000**     **IT Services and Consulting, Freelance**  
*Windows and Linux Setups*  
*Small Office Networks / WAN Connectivity*
- 1994 – 1999**     **University of Applied Sciences in Frankfurt on the Main**  
*Course of Studies: Process Engineering*  
*Focus: Energy Management and Nuclear Power Engineering*  
*Degree Dissertation: Water Treatment for Energy Plants*  
*Degree: Graduate Engineer*
- 1980 – 1993**     **School**  
*Secondary School: Kaiserin-Friedrich-Schule Bad Homburg*  
*Graduation: University-Entrance Diploma*

# Project Experience

- 06/2012 – 03/2015 Relocations and Migrations of Booking Engines and Gateways**  
Sector: Leisure industries
- Assessing legacy environment running on Linux and AIX using Oracle and Informix databases, Apache webservers and Apache Tomcat application servers
  - Maintenance and modernization of legacy systems running a variety of outdated RHEL versions, LVS LDirector load balancer , Heartbeat cluster, Apache HTTPD, Tomcat, Oracle RAC, Informix on HACMP, Checkpoint firewall, VMware ESXi, Veritas Netbackup
  - Ensuring continuous compliance with PCI DSS and internal and local data privacy policies
- 04/2012 – 05/2012 Automation of a Provisioning Process for Virtual Machines running on Linux KVM**  
Sector: Online gaming industries
- Building of a modular Shell script for a fully automated provisioning of virtual machines with specific configuration and individual requirements defined by customer's needs
  - Configuration and usage of the Red Hat Kickstart technology based on Cobbler server
  - Managing the KVM virtualization environment by using the LibVirt framework on CentOS
- 01/2012 – 03/2012 Development of Guidelines and Policies for Information Security**  
Sector: Information technology provider
- Conception of an information security management system (ISMS)
  - Development of information security policies for customer's usage
  - Analysis of requirements and identification of efficient implementations in compliance with ISO/IEC 27001
- 11/2011 – 12/2011 Building a Security Concept for Running Public Accessible Web Server Portals**  
Sector: Insurance industries
- Inspection of customer's requirements regarding the web services
  - Negotiating required security measures related to requirements
  - Identifying applicable frameworks; negotiated the Use of German "BSI Grundschutz"
  - Choosing measures to be enumerated and Implemented
  - Presentation of concept and negotiation with project lead and IT department
  - Proofing of concept by running an exemplary implementation
- 08/2011 – 11/2011 Outsourcing and Migration of Linux Based Backend Servers**  
Sector: Touristic industries
- Design of a production environment based on VMware and Blade Servers Including SAN, LAN and WAN connectivity
  - Evaluating contract-compliant backup and disaster recovery strategies
  - Design of secure OS baseline installations and optional additional modules
  - Identification of sufficient security measures and implementation of access control, system hardening and high availability technologies
  - Migration of physical servers into virtual environment (P2V)
  - Migration of virtual instances into new VMware environment (V2V)
  - Installation and configuration of databases (Oracle, MySQL) and application servers according to customer's specifications
- 03/2011 – 10/2011 Relocation of a Disaster Recovery Data Center**  
Sector: Aviation industries
- Engineering of WAN and VPN concept
  - Assisting the physical set-up of the datacenter in the USA
  - Remote installation and configuration of Red Hat and SuSE Linux operating systems
  - Design and implementation of data replication concepts
  - Business continuity management targeting recovery time and recovery point objectives
- 09/2010 – 12/2010 Building a PCI Compliant Transaction Platform**  
Sector: Electronic payment industries
- Identifying applicable requirements of payment card industry's data security standard (DSS)
  - Installation and configuration of a file integrity monitoring (FIM) based on Samhain
  - Implementation of an event protocol server based on Yule
  - Identifying interface requirements for linking to company's security information and event management (SIEM)

- 07/2010 – 05/2011 Migration of Storage Data for Consolidating SAN Storage Boxes**  
Sector: Data center service provider
- Identifying different opportunities for individual migration of data depending on volume sizes and availability requirements
  - Determining migration strategies and optimized methods for Red Hat Enterprise Linux (RHEL versions 4, 5 and 6), SuSE Linux Enterprise Server (SLES versions 8, 9 and 10) using technologies like LVM, LVM2, Veritas Storage Suite, meta device mirroring and Multipathing
  - Developing a concept for online migration of high available Linux systems running Veritas cluster, Red Hat cluster, Heartbeat and HP MC Service Guard
  - Analyzing impact and negotiating with users and data owners
  - Planning, scheduling, performing and operating of single migrations
- 10/2009 – 06/2010 Outsourcing and Rebuild of Control and Booking Systems**  
Sector: Aviation and logistics industries
- Identification of customer's requirements and pre-sales support for physical and virtual OS instances running SuSE Linux Enterprise Server and Red Hat Enterprise Linux
  - Analysis, evaluation and implementation of customer's design requirements
  - Design and implementation of security concepts as well as usage based accounting
  - Staging of Linux based virtual machines hosted by VMware
- 08/2008 – 09/2009 Information Security Management**  
Sector: Financial services, electronic payment industries
- Analysis of business cases and sensitivity of IT applications
  - Identifying applicable regulatory requirements and legal restraint
  - Generating communication matrixes with information gathered during interviews with system managers; defining protection requirements
  - Risk assessment, evaluation and analysis based on German BSI standard
  - Recommendation of risk mitigating measures
- 01/2008 – 07/2008 Development of a Concept for Virtualizing a HP Server Environment**  
Sector: Data center service provider
- Identifying customer's requirements and strategies
  - Categorization of different opportunities for the implementation
  - Development of a virtualization concept in regard to security, availability, performance and usability
  - Estimation of economic efficiency by considering purchase costs, total cost of ownership and deviation of maintenance and license costs
  - Planning of a proof of concept with evaluation of different isolation and virtualization methods like PRM, vPars, nPars, Integrity VM
- 10/2007 – 06/2010 Performing Data Security Assessments for PCI**  
Sector: Payment card industries
- Leading and performing assessments in the role of a qualified security assessor (QSA) according to payment card industry's data security standard (PCI DSS)
  - Conceptual and technical information security and implementation consulting
  - Gap analysis for identifying incompliances
  - Development of information security policies
- 09/2007 – 02/2008 Outsourcing and Rebuild of an SAP Environment**  
Sector: Fund management industries
- Developing concepts for building a server environment running HP-UX on Integrity Superdome
  - Evaluating methods and performing migration of high-critical data with focus on integrity
  - Set-up and operating of metro clusters
- 09/2007 – Building and Maintaining Xen Server Environment**  
Sector: Data center service provider
- Design, planning, set-up, automation, maintenance of virtual OS instances
  - Configuration of resilience on Xen and application level
  - Running paravirtualized and hardware emulating virtual machines
  - Maintaining infrastructure services like IPv4 and IPv6 networks, VPN, DNS, NTP
  - Resilient storage and e-mail services, data and transport encryption
  - Monitoring of availability, integrity and attacks
- 10/2005 – 08/2007 Creating and Improving Security Measures of an SAP Environment**  
Sector: Fund management industries
- Developing concepts for hardening server environment and applications
  - Evaluating the technical applicability for Unix-based server systems
  - Implementing and automating the hardening processes

- 05/2005 – 09/2005 Evaluation of Platform Independent Encryption Methods**  
Sector: Aviation industries
- Identification of standard tools and application interfaces for the operating platforms like IBM Mainframes, Unix (AIX, Solaris, HP-UX), Linux and Windows
  - Evaluating the implementation of common encryption applications basing on X.509 certificates
- 09/2003 – 04/2005 Outsourcing of Unix-Based SAP, Oracle, and Application Servers**  
Sector: Fund management industries
- Set-up of a new data center for operating metro cluster systems
  - Installing high available systems based on HP-UX and MC ServiceGuard
  - Managing of storage replication based on SRDF (EMC<sup>2</sup>) and TrueCopy (Hitachi)
- 02/2000 – 12/2003 Unix Systems Engineering and Maintenance**  
Sector: Aviation industries
- Identifying customer's requirements and providing pre-sales support
  - Set-Up and operating of servers based on HP-UX and MC ServiceGuard
  - Technical project and implantation support
- 05/1995 – 02/2000 Support for Home and Small Offices**  
Sector: Crafts and Trades
- Compiling hard and software recommendations
  - Services for data processing environments
  - On-site installations of IT systems

# Qualifications and Certificates

- 2012 [Professional Certificate: Governance, Risk and Compliance According to ISO/IEC 27000 Framework](#)
  - 2012 [Professional Certificate: Secure IT Services According to ISO/IEC 27000 Framework](#)
  - 2012 [Foundation Certificate: ITIL Version 3](#)
  - 2010 [ISACA Certified Information Systems Auditor \(CISA\)](#)
  - 2009 [Linux Professional Institute \(LPIC-2\)](#)
  - 2007 [PCI Qualified Security Assessor \(QSA\) \(expired 2010\)](#)
  - 2006 [ITIL Foundation Certificate IT Service Management](#)
  - 2003 [HP-UX Certified Systems Administrator \(CSA\) \(expired 2010\)](#)
- (More at <https://joerg.steindlberger.com/Zertifikate>)