

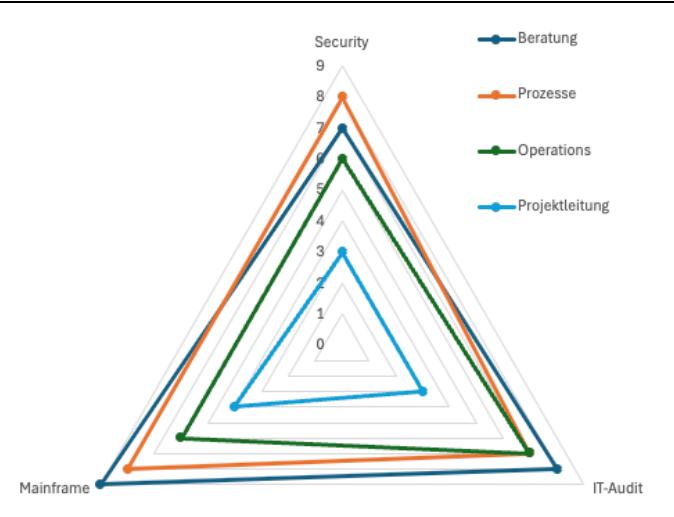
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Informationssicherheit und IT-Security Management als Themen entwickelte sich in den letzten ca. 10 Jahren sehr intensiv, da ich als Senior Architekt – und zuvor als IT-Security-Governance Manager – viel Erfahrung im Banken- und Sourcingumfeld (auf beiden Seiten) sammeln konnte.

IT-Audit – auf Revisionsseite wie auch auf Seite des Prüflings – ist seit vielen Jahren mein Steckenpferd.

Als CISA bin ich seit 2004 bei ISACA zertifiziert.

Über diese Zeit hielt ich meine Kenntnisse zu IBM Mainframes (z/OS), speziell zum Security Management mit RACF, aber auch zu Subsystemen, Messaging und Datenbanken, aktuell.

Zu Public-, Hybrid- und Private-Cloudstrukturen erwarb ich meine Kenntnisse bei Revisionsaktivitäten sowie in der Betreuung dieser Strukturen durch ein SOC als Architekt wie Security Incident Handler.

Auszug wesentlicher Aktivitäten

Von	Bis	Art	Thema	Beschreibung
2023-10	heute	Bank (BAFin-reguliert) FNZ Bank, Aschheim		
2023-10		Projekt	Security	Seniorberater für Informationssicherheit Schließung von BAFin-Findings Einführung von DORA-Anforderung ins Security Incident Management
2019	2024	Service-Provider Finanzwesen (EZB-reguliert) Finanz Informatik Technologie Service, Haar		
2019-08	2024-07	Linie	Security	Senior Architekt für das SOC Diverse Aufgaben im Bereich Policy-Erstellung, Erweiterung auf 24x7-Services, EZB-feste Herleitung der SIEM-Abdeckung, Bearbeitung von Security Incidents als Security Incident Handler
2021-06	2023-12	Projekt	Compliance	Projektleiter, -architekt und IT-Security-Berater Erweiterung des Berechtigungsmonitoring für 24x7-Abdeckung gem. EZB-Anforderungen für eine Bank
2020-04	2020-07	Prüfung	IT-Audit	Prüfer für Ransomware-Schutz



Von	Bis	Art	Thema	Beschreibung
				Fachliche Leitung eines Audits über die Abwehrmaßnahmen gegen Ransomware
2019-08	2024-07	Projekt	Security	<i>Security Architekt</i> Einführung von 24x7-Services für das SOC Herleitung der SIEM Use Cases gem. EZB-Anforderung
2018	2019	Immobilien BNP Paribas Real Estate, Düsseldorf		
2018-11	2019-05	Projekt	Zertifizierung	<i>Projektleiter und -architekt</i> Vorbereitung der ISO27001-Einführung
2016	2016	IT Service Provider für Versicherungen, München		
2016	2016	Prüfung	Security	<i>Technischer Berater der Revisionsprüfer</i> Penetration-Tester für I5/OS
2015	2015	Commerzbank, Frankfurt		
2015-03	2015-09	Projekt	Security	<i>Security Architekt</i> RACF-Redesign zur Einpassung in das globale IAM
2011	2021	Bank (EZB-reguliert plus FED, CSSF, MAS, ...) International tätige deutsche Großbank, Eschborn		
2015	2019-03	Linie	Security Governance	<i>Kommissarischer Head of IT-Security Governance for Outsourcing to IBM et alii</i> Managerposition inkl. fachlicher Themen soweit nötig.
2021	2021	Prüfung	IT-Audit	<i>IT-Auditor</i> Bewertung Public Cloud Engagement
2013	2015	Projekt	IT-Audit	<i>Projektleiter und -architekt</i> Aufbau des Audit Defense Service, zur Kanalisierung und Qualitätsverbesserung der multiplen Audit-Anforderungen an einen Vendor des Kunden
2014	2019-03	Projekt	Security / Compliance	<i>Technical Lead</i> Komplettdesign und -entwicklung einer PAM-Lösung für die IT-Provider einer Großbank Entwurf, Steuerung der Entwicklung und Einführung einer Software-Lösung für PAM (Privileged Access Management) für mehrere Vendors des Kunden mit mehr als 1.000 Administrator-Kennungen Einführung von Session Monitoring für mehrere Vendors des Kunden auf Basis von Balabit Shell Control Box



Von	Bis	Art	Thema	Beschreibung
2012	2015	Projekt / Linie	Security	<i>Mainframe Security Lead</i> Mainframe-Konsolidierung von Konzerntöchtern inkl. Anpassung des Level-of-Security sowie Erarbeitung der Migrationsstrategie Anpassung der Mainframe-Plattform an die aktuellen Security Policies
2011	2013	Prüfung	IT-Audit	<i>IT-Auditor</i> Mainframe-Prüfung in Deutschland, UK und USA * Security-Prüfung (inkl. Policy Compliance) * Change Management-Prüfung * Storage-Management-Prüfung

Daneben viele andere Projekte und Aktivitäten seit 1998.

Eine Zusammenfassung, inkl. Festanstellungen und Ausbildung findet sich im Kapitel „Data Bunch“.



Verankerung und Langfristigkeit

Wie man den gezeigten Aktivitäten entnehmen kann, war und ist mein Fokus, mich auf einen Kunden zu konzentrieren und eine langfristige Zusammenarbeit anzustreben. Meine Auslastung steuerte ich hierbei auf ein Zielniveau von 80%, wobei Phasen mit weit über 100% nie ein Problem darstellten.

Im Rahmen des persönlichen Risiko-Managements, nahm ich hin und wieder auch Zweitprojekte an, die in den Umfang von $\pm 20\%$ passten, sofern auf Kundenseite im Bestandsprojekt keine klare Aussage über die Weiterführung bestehender Engagements erfolgten bzw. Lücken entstanden.

Hinsichtlich des Einsatzmodells kann ich aus dem Großraum Düsseldorf – sofern nötig – recht schnell auf On-Site-Anforderungen reagieren. Klar ist jedoch, dass ich, erstmals getrieben durch COVID-19, den hybriden Ansatz, mit einer deutlichen Übergewichtung von „working-from-home“, bevorzuge.

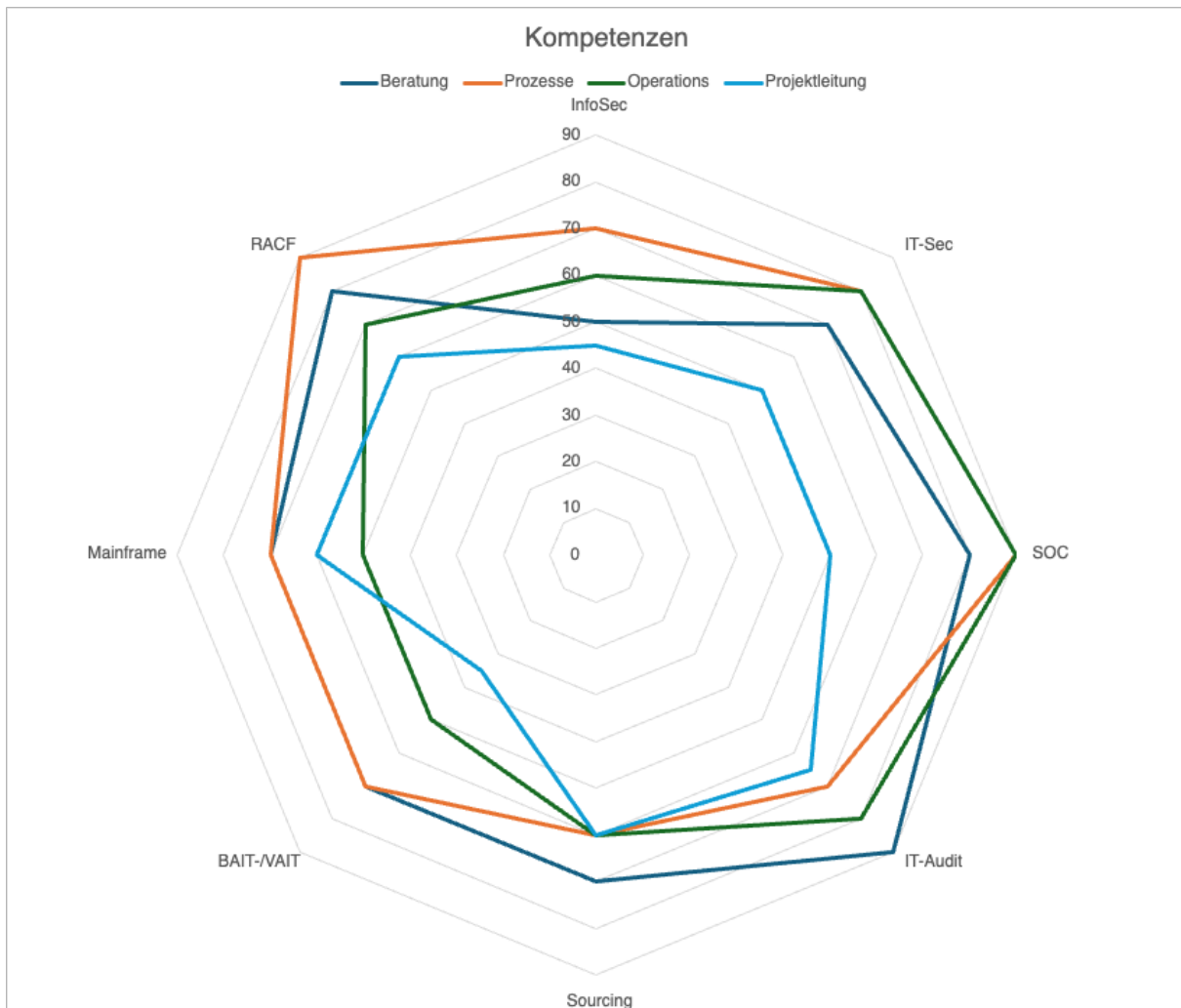
(Zwischen März 2020 und Juli 2024 war ich weniger als 20 Tage on-site, da nicht mehr nötig war. Zuvor war ich ca. 70'km p.a. unterwegs zu Kundenlokationen.)

Ich halte eine dedizierte Büro-Lokation vor, die nur von mir genutzt wird, aus der ich also auch Zugang- bzw. Zugriff auf sensitive Daten durchführen und somit auch sowohl Telefon- wie Videokonferenzen zu sensitiven Themen führen kann.

Dank meines Unternehmerstatus als geschäftsführender Gesellschafter hatte und habe ich keine Schwierigkeiten im Kontext der Scheinselbstständigkeit.

Aufträge, die Arbeitnehmerüberlassung erfordern, werde ich grundsätzlich nicht annehmen, für Positionen im Interimsmanagement bestehen diskutabile Optionen, das Thema Arbeitnehmerüberlassung, in diesem Fall, wäre individuell zu klären.

Kompetenzaufstellung



Thematisch

- Regulatorik (BAIT, VAIT, KAIT, DORA)
- Outsourcing
- Mainframe Security
- IT-Audit

Prozessual

- Information Security Management
- IT-Security Management
- (Security) Incident Management
- SIEM
- Changemanagement
- Configmanagement

Technologisch

- Mainframe
- Linux/Unix
- Windows
- Networking
- Cloud
- Netzwerk
- Firewalls
- Exoten (I5, Tandem)



Data Bunch

Professional experience

06/2003 – today
(>14 Years)

F-IT Security and Audit, Erkrath (Germany)

- Managing Director (2023-)
- Head of Operation (2015-2023)
- Director/Owner (2003-2015)

Industry: IT / Software

Functions:

Telecom, IT and Software

- Infrastructure services (IBM mainframe/distributed, Linux, UNIX, Microsoft, MySQL, Oracle)
- Security Services (SPLUNK)
- Architecture & Design
- Processes & Best Practice (Implementation, Risk Management, Incident Management, ISO Processes, strategic IT planning)

Consulting:

- Consulting areas (IT-Security, IT-Production Management, IT-Audit, IT/Software development)
- QM & Compliance Management (IT-Audit, IT-Security Audit, regulatory requirements)
- Telecom, IT and Software (Project manager, architecture & design, Processes & best practice)
- IT vendor management (operational and tactical; no contract management)
- IT Audit defense

Auditing:

- IT auditor or IT audit manager based on COBIT principles focusing IT processes and -infrastructures

The focus is consulting for IT security management and IT outsourcing same as management of regulatory requirements for outsourcing.

The audit topic covers active participation in audits same as – the latest occupation – working in audit response management aka audit defense,

05/2001 - 08/2003
(2 Years, 4 Months)

Head of IT-Security Free Internet Corp. Ltd., Bangkok (Thailand)

Industry:

Internet / Online Media / E-Commerce

Function:

Telecom, IT and Software

- IT (applications, data reliability/non-repudiation, IT security solutions, networks)

Consulting:

- IT security strategy

Application as the IT Security Officer to ramp up the IT Security organization of the Bangkok based ISP “Free Internet”

This was one of my core topics being a director at GENIA GmbH in Mainz, after having sold a branch office in Bangkok to Free Internet.



Professional experience

09/1997 - 06/2003
(5 Years, 10 Months)

Director GENIA GmbH, Mainz (Germany)

Industry:
IT / Software

Functions:

Management:

- Director (Co-CEO), Focus technology projects, R&D and IT audit; 20 employed staff members (+ about 50 freelancers)

Consulting:

- Telecoms, IT and Software (developer, quality assurance manager, systems administrator, software provider, architecture & design, processes & best practice, programming languages, tooling & technology)

04/1991 - 12/1998
(7 Years, 9 Months)

“Programmieroffizier” Bundeswehr, Trier (Germany)

Industry:
national security

Functions:

Telecom, IT and Software

- Management applications (team lead IT infrastructure; team lead system performance management)
- Functional applications (developer, deployment/implementation manager, SME for performance)
- Programming languages, tooling & technologies (development tools, performance testing tools)

Focuses over time were:

- Application development for mainframe using PL/I and SQL
- Database administration for DB2 on mainframe
- Application design, performance management, dump analysis
- Database systems administration
- Systems programming for VM/SP, MVS/ESA and OS/390
- Head of configurations management
- Head of systems group (acting for 2 years)

Final Rank: Captain (“Hauptmann”)

04/1996 - 06/1998
(not through)

Company Commander: German Airforce, Eriskirch (Germany)

Industry:
National Security

Function:

Human Resources (HR):

- Management
since 1996 I was repeatedly appointed as a company commander for dislocated units of our organization to prepare them to be discontinued in 1998.



Professional experience

06/1992 - today
(25 Years)

Freelance Speaker: CDI / Integrata / Informatik Training, DACH-Region

Industry:
education

Function:

Trainer:

- Conduct seminars.
During my appointment with the German Airforce I worked part time – with approval and later being self-employed to use this for acquisitions.

Education

07/1986 - 06/1987
(1 Year)

Officers Course

Bundeswehr, Fuerstenfeldbruck (Germany)

Industry: National Security

Status: Officer exam passed

10/1987 - 03/1991
(3 Years, 6 Months)

Computer Science Studies (Master)

Universität der Bundeswehr München, München, Germany

Major: Software-Engineering

Minor: business economics

Final Status: Exam passed (final grade: 2 – “B”)

1977-06/1986
(13 Years)

School

ending with städt. Gymnasium, Dillingen

Majors: Chemie, Physik, Erdkunde

Final Status: High School “Abitur” (Final Grade: 2.3 – “B”)

vocational training

06/1994 - 05/1995
(1 Year)

Training as a systems programmer

German Airforce, Trier (Germany)

Industry: National Security

OS/390, zSeries I/O-Subsystem, Performance-Management, VTAM, TCP/IP, DB2-systems implementation, network technology, Job Scheduling, Problem determination and problem source identification, Security Management using RACF, VM/SP

Training by seminars at IBM and Informatik-Training.

08/1992 - 10/1993
(1 Year, 3 Months)

Training as a programming officer (part 2)

German Airforce, Trier (Germany)

Industry: National Security

Dump analysis for CICS, DB2, PL/I using CA Interrest and IPCS
database design and implementation, DB2 administration
CICS systems implementation, performance analysis and -optimization.

Application development using C++

Training by seminars at IBM, Integrata and Informatik-Training.

04/1991 - 12/1991
(9 Months)

Training as a programming officer (part 1)

German Airforce, Trier (Germany)

Industry: National Security

MVS basics, application development using PL/I, SQL, CICS application development, database design principles

Training by seminars at IBM, CDI and Integrata



Professional experience

IT knowledge / IT applications & components

Level: Expert
(aka Senior SME)

IBM Mainframes (z/OS, RACF, CA TopSecret, DB2, CICS, TCP/IP, VTAM, ...)
 IBM zSecure
 Regulatory requirements (ECB/BaFin: MARisk, BAIT, MAS TRM, FED)
 Identity and Access Management (Processes, Tooling, implementation, Joiner/Mover/Leaver, Guarancy aka SAM Enterprise)
 Privileged Access Management (Regulatory requirements, Implementation, production integration)
 One-Identity / Balabit (Privileged Session Manager aka Shell Control Box, TPAM)
 IT-Revision, COBIT (incl. mapping to ITIL)
 IT-Audit Response Management (aka Audit Defense)
 IT-Security-Management (SOC Architecture, Governance, organizational setup, improvement, implementation under production feasibility aspects)

Level: very good
(aka SME)

IBM Mainframes (CA TopSecret, CA ACF/2)
 Operating systems, transaction managers, database management systems (Unix, Linux, Windows, Oracle, SQL-Server, mysql, ...)
 IT architectures (centralized, decentralized, web based)
 German IT baseline protection ("IT-Grundschutz")
 ISO/IEC 27001
 High Availability (architecture, operations, testing)
 Delivery and support organizations (audit experience: senior SME)
 IT-Vendor Management (SLA, SOW, Procedures Manuals)
 Incident-, Problem-, Change-Management (audit knowledge: senior SME)
 Job scheduling (TWS, OPC)

Level: good

Regulatory requirements (DORA)
 IT architectures (Cloud)
 Log Management Systems (Splunk)
 IT vendor management (Commercial Claiming)
 Zero Intervention Production
 HP Nonstop (Safeguard, Greenhouse SECOM)

Level: audit experience

Disaster-Recovery (strong audit knowledge including testing)
 I5/OS (AS/400 Security, configuration, CilaSoft)

Certification

CISA certified since 2006

Linguistic proficiency

German (mother tongue)
English (fluent)



Operational experience

Steady State / Run the Bank

- 08/2019 – 06/2024** **Senior Security Architect of the CDC at Finanz Informatik Technologie Services, Haar, Germany**
 - advise to core processes of the CDC (Cyber Defence Center)
 - support development of Security Incident Management Response processes, procedures, playbooks, standard operating procedures
 - review and finalizes processes and procedures for the 24x7 CDC operation to close EZB audit findings for on-premise, private- and public cloud structures
 - develop methodology for risk prioritization of SIEM use case development backlog using MITRE ATT&CK and Mandiant data
 - operationally run Security Incidents as the Security Incident Manager or Security Analyst
 - facilitate 24x7 SOC services in an organization running partially 24x7 only
PAM related
 - drive enhancement of „Berechtigungsmonitoring“ regarding BAIT requirements
Mainframe / RACF related:
 - Facilitate Vulnerability Management for Mainframe related topics
- 2016 – 03/2019** **Security Lead Architect at (global Platform Security Team for Infrastructure Operations at a premier global Bank), Eschborn, Germany**
I&A related:
 - Approval procedures for critical privileges of vendors
 - consulting and supporting of the development of application related role models
PAM related
 - Lead Solution Architect for a PAM solution (in production now)
Mainframe / RACF related:
 - Support for the Audit Response-Team regarding information requests in regulatory driven audits.
 - Design of solutions to remediate violations in security state monitoring
 - Support for the application owners regarding mainframe security topics.
 - updating the architectural blue prints for encryption and digital certificates
- 2013 – 2015** **Audit Response Manager at (GT Retail Production at a premier global Bank), Eschborn, Germany**
I&A related:
 - definition of solution requirements for a PAM solution to remediate audit findings
 - creation of remediation plans for audit findings
 - ongoing governance for vendor driven audit remediation plans
PAM related
 - analysis and planning of global requirements to PAM solution
Mainframe / RACF related:
 - Focal Point for information data requests und observations in mainframe context
- 2013 – 03/2019** **Security Governance Manager (acting) IBM Outsourcing at (GT Retail Production at a premier global Bank), Eschborn, Germany**
I&A related:
 - SAM Enterprise administrator for several Org-Units owned by customer or vendor
 - recertification of access privileges for IBM not covered by role models
PAM related
 - design and implementation of detective controls for privileged activities by the vendor
 - Review and Approval of Policy documents for Privileged Access.
Mainframe / RACF related:
 - evaluation and improvement planning of z/OS security state monitoring (zSecure Audit).
 - evaluation and improvement planning of z/OS event state monitoring (zSecure Alert).
- 2003 –** **Owner/Director/Head of Operation at F-IT, now Pansfelde, Germany**
- 2002 – 2005** **Head of Information Security at FreeInternet, Bangkok, Thailand**
- 2000 – 2002** **Director at GENIAsolution, Bangkok, Thailand**
- 1998 – 2003** **Director (Co-CEO, CIO) at GENIA, Mainz, Germany**



- 1998 Head of systems management group at (Data center of the German Airforce), Trier, Germany
- 1996 – 1997 Head of systems administration at (Data center of the German Airforce), Trier, Germany
Mainframe / RACF related:
 - RACF administration und reporting to IT management und IT security.
- 1994 – 1996 Head of database management at (Data center of the German Airforce), Trier, Germany
Mainframe / RACF related:
 - integration of DB2 to RACF using custom exits.
- 1991 – 1993 application developer at (Data center of the German Airforce), Trier, Germany

Operational experience

IT Audit Projects

- 04/2020 – 07/2020 IT Auditor at Finanz Informatik Technologie Services, Haar, Germany
 - define audit scope for a ransomware scenario
 - run interviews with technical / operational units
 - evaluate results vs. written framework (sfO) and state-of-the-art
- 2016 Penetration Tester at AMOS (Allianz Technologies), Munich, Germany
PAM related:
 - auditing of logging regarding privileged accounts
 - auditing of requirements for administrative role accounts
AS/400 related
 - planning and execution of a penetration test
- 2012 - 2013 IT auditor at BMW, Munich, Germany
Mainframe / RACF related:
 - mainframe security audit at the vendor site in cooperation with the internal audit department
- 2011 - 2013 IT auditor at Fiducia, Karlsruhe, Germany
Mainframe / RACF related:
 - mainframe security-audit in cooperation with the internal audit department
 - mainframe operations-audit in cooperation with the internal audit department
 - storage audit in cooperation with the internal audit department
- 2011 IT auditor at Commerzbank, Frankfurt, Germany
Mainframe / RACF related:
 - mainframe security-audit in cooperation with the internal audit department
- 2010 - 2012 IT auditor at (Group Audit at a premier global Bank), Eschborn, Germany and New York City, USA and Bournemouth, UK
Mainframe / RACF related:
 - mainframe security-audit at the vendor in cooperation with the internal audit department
 - mainframe security-audit in cooperation with the internal audit department
 - mainframe operations audit at the vendor in cooperation with the internal audit department
 - mainframe storage audit at the vendor in cooperation with the internal audit department
 - mainframe tools audit at the vendor in cooperation with the internal audit department
 - mainframe I&A audit at the vendor in cooperation with the internal audit department
- 2010 - 2012 IT auditor and IT security consultant at BSH, Schwaebisch-Hall, Germany
Mainframe / RACF related:
 - mainframe security audit in cooperation with the IT security department
 - creation of a mainframe security concept for the IT security department
- 2004 – 2006 IT auditor at VGH, Hannover, Germany
Mainframe / RACF related:
 - mainframe security audit in cooperation with the IT security department



- creation of a mainframe security concept for the IT security department
- implementation of security state monitoring using home grown tool Audit4u.

- 2002 - 2007** **IT auditor at IZB, IZB-Soft, Finanz-Informatik Technology Services, Munich, Germany**
Mainframe / RACF related:
 - mainframe security-audit in cooperation with the internal audit department
 - mainframe storage audit in cooperation with the internal audit department
 - mainframe disaster recovery audit in cooperation with the internal audit department
- 2001** **IT auditor at Social Security Office, Bangkok, Thailand**
Mainframe / RACF related:
 - full scope audit of mainframes for the IT management
- 2000** **IT auditor at (IT-Revision a premier global Bank), Eschborn, Germany**
RACF relevant:
 - full scope audit of mainframes in cooperation with the internal audit department

Operational Experience

Non-Audit IT Projects

- 10/2023 –** **Security Consultant „MaRisk-Finding Remediation“ at a financial service provider, Aschheim, Germany**
- 07/2022 – 10/2022** **Security Consultant „Bidding for Security Framework renewal“ targeting a software house for automotive solutions, Wolfsburg, Germany**
- 06/2021 – 12/2023** **Architect and technical Lead of „24by7 Berechtigungsmonitoring“ at Finanz Informatik Technologie Services, Haar, Germany**
- 04/2019 – 07/2019** **Security Consultant at Kreditanstalt für Wiederaufbau, Frankfurt, Germany**
PAM related
 - run onboardings for critical platforms
 - implement reporting procedures
 - advise on automation for reporting and for delayed checks
- 11/2018 – 06/2019** **Project Manager with responsibility for results of „ISMS definition and preparation of ISO27001-certification“ at BNP Real Estate Holding and BNP Real Estate Investment Management Germany, Duesseldorf and Munich, Germany.**
- 08/2018 – 12/2018** **PAM-Specialist at Kreditanstalt für Wiederaufbau, Frankfurt, Deutschland**
PAM related:
 - integration of mainframes to the PAM solution
 - security gap-analysis
- 2015** **Technical Architect „RACF redesign“ at Commerzbank, Frankfurt, Germany**
Mainframe / RACF related:
 - development of naming conventions and principles of privilege management for IT operations
 - planning of analysis and reporting to adapt the current RACF structure
 - development of a zSecure based methodology to implement major RACF changes
 (The implementation phase was run by our staff.)
- 2014 – 03/2019** **Lead Architect „Privileged Access Management“ at (GT Retail Production at a premier global Bank), Eschborn, Germany**
I&A related:
 - development of a frame work for the role based access model
 - support the go-live of PAM related I&A processes
PAM related:
 - overall architecture for the PAM solution
 - refinement of blue prints to the PAM solution in cooperation with vendors
 - use case analysis for PAM
 - impact analysis for alternate implementation approaches of PAM requirements



- RACF related:
 - development of the role base access model for vendor's system and database administrators.
 - development of an enforcement model via SAM for RACF or TopSecret
 - development of emergency procedures for privileged access
 - architectural support for express login (RACF login using digital certificate)
- AS/400 related
 - architecture and implementation planning to integrate the AS/400 servers into the PAM solution
- Tandem related
 - architecture and implementation planning to integrate the Tandem servers into the PAM solution
- 2013 – 2015 **Technical Lead „Session Monitoring“ at (GT Retail Production at a premier global Bank), Eschborn, Germany**
PAM related:
 - requirements management for a session monitoring solution (detective control)
 - support a proof of concept for several monitoring products or solutions
- 2013 – 2014 **Consultant „Database Activity Monitoring“ at (GT Retail Production at a premier global Bank), Eschborn, Germany**
- 2012 – 2015 **Mainframe Security Lead at (GT Retail Production at a premier global Bank), Eschborn, Germany**
Mainframe / RACF related:
 - gap analysis and development of a harmonization approach targeting RACF and DB2.
 - development and implementation of I&A processes for mainframe
 - moderation of trilateral communication between a vendor and two banks
- 2012 **IT-Architect and Project Manager „Application Security Monitoring Bus on Mainframe“ at (GT Retail Production at a premier global Bank), Eschborn, Germany**
Mainframe / RACF related:
 - Development of DB2-, SMF exits and CARLA scripts to integrate mainframe with SIEM
 - Go-Live and onboarding support for the first few applications
- 2011 - 2013 **Technical lead for Mainframe Security improvement at Sal. Oppenheim, Cologne/Ruesselsheim, Germany**
Mainframe / RACF related:
 - remediation of audit findings in cooperation with the vendor
 - improvement of processes and tools for security state monitoring and I&A
- 2009 - 2011 **IT-Security Consulting at Veolia Umweltservice, Hamburg, Germany**
- 2008 - 2010 **Project Manager for industrialization of security monitoring at DB-System, Frankfurt/Erfurt, Germany**
Mainframe / RACF related:
 - development of the audit guideline according to ISO/IEC 27001 for the IT security department
 - implementation of automated security auditing using our home grown solution Audit4u
- 2007 **DB2 security analysis at Helaba, Offenbach, Germany**
Mainframe / RACF related:
 - vulnerability analysis of DB security settings for the IT security department
 - development of the DB2 security concept for the IT security department
 - implementation of automated security auditing using our home grown solution Audit4u
- 2006 - 2008 **sub project leader „technical audits“ for ISO27001 certification at DB-System, Frankfurt, Germany**
Mainframe / RACF related:
 - development of security setting conception for the IT security department (multiple platforms)
- 2006 **Development of the security framework conception at IVV, Hannover, Germany**
Mainframe / RACF related:
 - development of security settings conception for the IT security department
 - development of audit guideline for the IT security department
 - implementation of automated security auditing using our home grown solution Audit4u



2004 - 2005	Management Consultant reporting to the CEO for IT-Security at Mobilcom, Buedelsdorf, Germany
2002 - 2004	IT-Security Consultant at EAM, Kassel, Germany
2002	Technical Lead of Network Study at Telephone Organization of Thailand, Bangkok, Thailand
2001	Project manager for "IT architecture definition" at SEGA Inter settle, Zürich, Schweiz
2001	IT-Security Specialist at (IT-Security-Management a premier global Bank), Eschborn, Germany <i>Mainframe / RACF related:</i> - development of security settings conception for the IT security department - development of the platform audit manual for the IT security department
1998 - 2001	Project manager for a core application (mainframe batch) at Deutsche Telekom/ DeTeCSM, Bonn/Kiel/Munich, Germany

Operational Experience

Trainer

2003 - 2016	IT- and IT-audit trainings for F-IT, Mansfeld, Germany
1998 - 2003	IT trainings for GENIA, Mainz, Germany
1995 - 2001	IT trainings for Informatik Training, Radolfzell, Germany
1993 -	IT trainings for Integrata Training, Tübingen, Germany
1992	IT trainings for CDI, Munich, Germany