Uwe Schwarz

I connect technology, people, and business goals – acting as the bridge between teams, stakeholders, and systems. Whether it's IT security, networking, high-availability infrastructure, or email solutions, I take ownership, lead complex projects, and ensure the results are not just technically sound, but strategically aligned and built to last.

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LANGUAGES

- 💬 German (Native)
- 💬 English (C2)

PROFILE

With over two decades of hands-on experience in IT and project leadership, I specialize in building secure, scalable, and future-ready systems. From high-stakes data center migrations to evolving security strategies for regulated industries, I've led diverse teams and initiatives that drive tangible business outcomes.

I act as the bridge between technical complexity and strategic clarity. Whether I'm aligning teams on a security roadmap, modernizing infrastructure, or translating compliance requirements into real-world action, I bring a clear head, calm hands, and a passion for connecting the dots between tech and people.

EXPERIENCE

Key Projects
Major technical and organizational engagements with high responsibility.

A curated selection of multi-month and multi-year work; further details on request.

Subproject Lead Data Center Migration & Backup Modernization

Joh. Berenberg, Gossler & Co. KG   Jan 2024 - Sep 2025

Hamburg, Germany

- Subproject lead within the data center migration project, focusing on Solaris, Linux, storage, and backup environments.
- Responsible for the modernization and full implementation of the new enterprise backup platform based on Rubrik Security Cloud.
- Supported the transition of Solaris infrastructure and legacy systems towards modern, cloud-ready architectures.
- Contributed to the redesign and renewal of the legacy network into a modern, segmented structure with improved security focus.
- **Achievement: Successfully led the Rubrik Security Cloud modernization project, enhancing data protection, compliance, and recovery performance across all business units.**
- **Achievement: Contributed to the successful relocation of two data centers with minimized downtime and coordinated dependencies across multiple infrastructure domains.**

Project Management · Rubrik Security Cloud · Atlassian Jira · Atlassian Confluence · Microsoft Project · ServiceNow · LeanIX · Delinea · IPv6 · Network · Compliance · Backup · Solaris · Rubrik · DORA
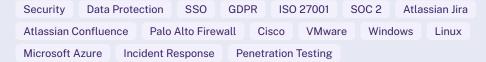
Information Security Officer
Threedium Ltd.   Oct 2023 - Jun 2024

London, United Kingdom

- Consulting in all questions about and around IT security.
- Support of the DevOps team.
- Integration of services in SSO infrastructure.
- Certificate audit: SOC2 and ISO27001
- Advice on all aspects of GDPR. Introduction of retention policies and data protection guidelines.
- Introduction of security guidelines.
- **Achievement: Implemented IT security measures that passed a SOC2 audit with zero non-conformities, securing key client contracts.**
- **Achievement: Integrated SSO infrastructure across multiple platforms, improving security and user experience.**
- **Achievement: Led the team in passing ISO27001 certification within a tight six-month deadline, which opened new markets for the company.**

Security · Data Protection · SSO · GDPR · ISO 27001 · SOC 2 · Atlassian Jira · Atlassian Confluence · Palo Alto Firewall · Cisco · VMware · Windows · Linux · Microsoft Azure · Incident Response · Penetration Testing

IT Security Consultant
Deutsche Vermögensberatung AG   Jan 2019 - Sep 2023

Frankfurt am Main, Germany

- Consulting regarding any security topics, focus on server and networks.
- Support and strategy handling during a (large) security incident.
- Writing (security) policies and technical concepts.
- Automation vulnerability and inicident management.
- Support for building IT architecture and strategy (including network architecture, cloud infrastructure, firewall concepts, etc.).
- Preparation and accompanying of penetration tests (including network, cloud, applications, Active Directory, etc.).
- Led and managed the Security Operations Center (SOC) team, overseeing daily operations, incident response, and continuous improvement of security processes.
- Security audits.
- Specialization in the areas of Linux and networking.
- IT security consulting also on Windows, Cloud (primarily Azure) and application development.
- Advice on data protection and certification issues (e.g. ISO27001, BSI Grundschutz, NIST framework, MITRE).
- **Achievement: Managed the response to a major security incident, coordinating efforts that minimized data loss and restored operations.**
- **Achievement: Developed and automated a vulnerability management system, reducing incident response time and increasing system uptime.**
- **Achievement: Implemented security policies that were later adopted as best practices company-wide.**

Security · GDPR · ISO 27001 · BSI / NIS2 / NIST / MITRE · ITIL · Guidelines · Atlassian Jira & Confluence · Palo Alto / Cisco · Microsoft Azure · Microsoft Sentinel · Microsoft Defender · Microsoft 365

Team Coordinator / System Architect
Deutsche Vermögensberatung AG   Jul 2015 - Dec 2018
Frankfurt am Main, Germany

- Coordination and planning of resources of a small team.
- Focus of the team: e-mail, cloud storage, load balancing, proxy and DNS (all linux based).
- Debugging und solving of problems mainly in the area mail (but not solely).
- Consulting and implementation of IPv6, security topics, high-availability systems and more topics.
- Project part time management: data centre relocation, reconstruction of all servers.
- **Achievement: Coordinated a successful data center relocation project.**
- **Achievement: Led the implementation of IPv6 across the organization, future-proofing the network.**
- **Achievement: Improved team efficiency through the introduction of automated processes and resource management tools.**

Team Management   Atlassian Jira & Confluence   dovecot & postfix   Microsoft Azure

IPv6   High-Availability   Load Balancing   Email   Cloud Storage   Proxy   DNS

Product Owner / System Architect
Deutsche Vermögensberatung AG   Jan 2013 - Jun 2015
Frankfurt am Main, Germany

- Product Owner and system architect for the enterprise-wide email archiving platform, including requirements management, technical roadmap, and long-term evolution.
- Led the design and implementation of a legally compliant archive for more than 50,000 users, ensuring immutable retention, auditability, and long-term maintainability.
- Introduced scalable storage, redundancy concepts, monitoring, indexing and full-text search to enable efficient retrieval of historical correspondence.
- Close collaboration with legal, compliance, and auditing teams to meet regulatory requirements and ensure long-term evidentiary integrity.
- Secondary responsibilities in the surrounding mail infrastructure (dovecot, postfix), Linux-based services, DNS, proxy, load balancing and cloud storage.
- **Achievement: Delivered a stable, compliant archive used daily across the entire organization.**
- **Achievement: Established future-proof data retention strategies aligned with strict regulatory expectations.**

Email Archiving   Compliance   Retention Policies   dovecot   postfix   Linux

High Availability   Monitoring   Full-Text Search   Indexing   Scalability   Auditability

IPv6

Additional & Focused Projects
Complementary or specialized projects with flexible scope.
Specialized, flexible, or focused initiatives that complement the broader work.

Member of the Board
DEGIT AG   May 2018 - Present
Hockenheim, Germany

- Information Security Officer and Data Protection and Privacy Officer.
- Access to experts from multiple fields.
- Competent and focused partner for all consulting needs.
- Building a secure and compliant IT infrastructure with a focus on modern technologies (IPv6, Zero Trust, Zero-Config VPN, etc.) and best practices.
- Responsible for corporate governance in IT security, privacy and compliance topics.

Security   Privacy   Microsoft 365   Notion   Cloudflare   Resend   Supabase

IPv6   Zero Trust   Zero-Config VPN   Governance   Training   Security Awareness

Risk Management   Compliance   EU AI Act

Founding Member & Data Protection Officer
AKTion gegen Krebs gUG   May 2025 - Present
Seevetal, Germany
- Founding member responsible for data protection and GDPR compliance.
- Developed and maintain the organization's backend systems.
- Planning and implementing AI-supported workflows for case management.
- Responsible for IT security strategy and risk management.
- Established GDPR-compliant data protection framework from the ground up.

Data Protection · IT Security · AI Workflows · Agentic AI · Backend Systems · Backup-Strategies · IPv6 · Zero Trust · Zero-Config VPN · Risk Management · Compliance · Notion · Cloudflare · Resend · Supabase

AI Training Platform & AI Tools Evaluation
DEGIT AG   Aug 2025 – Oct 2025
Hockenheim, Germany
- Design and implementation of an internal AI training platform for corporate use, focusing on compliance with the EU AI Act and practical enablement of teams.
- Evaluation and decision paper comparing leading AI and automation platforms with regard to data protection, reliability, API integration and governance readiness.
- Evaluation of emerging Agentic AI workflows for multi-step task orchestration and their integration into enterprise automation environments.
- Analyzed and benchmarked: OpenAI ChatGPT, OpenAI Open-Weight GPT-OSS, Microsoft Copilot, Perplexity, Anthropic Claude, Apple Foundation, z.AI GLM, n8n, make.com, Zapier.

AI Evaluation · AI Training · EU AI Act · Supabase · Cloudflare · Automation · n8n · make.com · Zapier · OpenAI · Apple Foundation · Anthropic Claude · Microsoft Copilot · Perplexity · z.AI GLM · Agentic AI · Enterprise Automation · Cursor · Claude Code · OpenAI Codex

Code Review & Security Advisory
GEHR Datentechnik GmbH   Oct 2023
Mannheim, Germany
- Comprehensive code review of the existing PHP application with a structured assessment of critical, medium and low-severity issues.
- Creation of a detailed review document including technical findings, recommended remediation steps, and prioritization for development teams.
- Consulting on application and infrastructure security with a focus on practical improvements, secure coding patterns and operational hardening.
- Support during the implementation phase to fix identified issues and improve overall application resilience.

Code Review · Security Advisory · Vulnerability Analysis · GDPR · OWASP · Web Security · Data Protection · Risk Assessment · Linux · PHP · MySQL

SKILLS & TECHNOLOGIES

Security

ISO27001   SOC2   GDPR   NIST Framework   MITRE ATT&CK

BSI IT Baseline Protection   Security Policies   Vulnerability Mgmt.

Incident Response   Penetration Testing Mgmt.

Infrastructure

Linux: Debian, Ubuntu, RHEL   macOS   Cloudflare   Resend   Supabase

High Availability Systems   Data Center Operations   TCP/IP, DNS, DHCP   IPv6

Tools & DevOps

Bash / Shell Scripting   Notion   Git   Cursor   Postfix / Dovecot   Bind / Unbound

Squid Proxy   HAProxy   Caddy   Docker

Management

Project Management   Team Leadership   Stakeholder Communication   IT Strategy

Technical Concepts

AI

Agentic AI   Multimodal AI   Causal AI   Lovable   OpenAI / ChatGPT

Anthropic / Claude   Google / Gemini   xAI / Grok   AI Ethics & Governance

DEVELOPED SOLUTIONS

Secure Email Archive

Led the coordination, architecture, and implementation of a legally compliant enterprise-wide email archiving solution for more than 50,000 users. The system ensures immutable storage of all communication for over 10 years, meeting strict regulatory and auditing requirements. Based on open-source technologies, the archive was designed with scalability, redundancy, and long-term maintainability in mind. Integrated monitoring, indexing, and full-text search enable efficient retrieval of historical correspondence.

dovecot   postfix   Linux   CentOS   Compliance

AI-Supported Case Management

Designed and implemented a system to support the processing of cancer-related cases using AI. The platform integrates secure data handling, structured workflows, and AI-based assistance to prioritize, analyze, and streamline case management. This ensures faster response times and improved quality in handling sensitive medical and legal information.

Agentic AI Workflow   Case Management   Data Protection   Automation

SOC 2 & ISO 27001 Certification

Led the successful implementation of SOC 2 and ISO 27001 compliance frameworks, establishing robust information security policies and controls to meet industry standards and ensure data protection.

SOC 2   ISO 27001   Information Security   Compliance

EU AI Act Training Platform

Designed and developed a modular training platform covering the EU Artificial Intelligence Act (EU AI Act). The course provides a structured learning path with interactive slides, voice narration, and integrated quizzes to ensure a clear understanding of the regulation's scope, risk-based framework, and compliance implications. The platform includes five sections — from fundamentals to governance, risk categories, and real-world applications — and was built with future expansion in mind to accommodate upcoming modules on data protection, ethical AI, and technical implementation guidelines.

EU AI Act   Compliance Training   AI Governance   E-Learning   Education Platform

Zero-Config IPv6 VPN Network

Designed and implemented a secure, zero-configuration VPN network leveraging IPv6 as the foundation for global connectivity. The solution enables seamless peer-to-peer communication without manual setup, NAT traversal, or complex provisioning, while ensuring strong encryption and modern authentication mechanisms. By combining simple rules with advanced security controls, the network architecture provides resilient, scalable, and privacy-preserving access across distributed environments.

IPv6   Zero-Config   VPN   Encryption   Authentication

Backup Infrastructure Modernization with Rubrik

Modernized the existing backup infrastructure by implementing Rubrik's enterprise backup solution, enhancing data protection, reducing recovery times, and simplifying management across hybrid environments.

Rubrik   Backup   Data Protection   Hybrid Cloud

Automated Document Management with OCR and AI Categorization

Developed a private system to digitize all personal documents and letters using OCR technology. Integrated AI-based classification to automatically sort documents into predefined categories, enabling efficient search, retrieval, and archival. Additionally, implemented automated analysis to detect tax-relevant documents for income tax purposes and tag them accordingly.

OCR   AI Categorization   AI Agent   Document Management   Automation