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LANGUAGES

- 🗣 German (Native)
- 🗣 English (C2)

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.

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.

Program Lead IPv6 Migration
Deutsche Rentenversicherung (RP, BW) Jan 2026 - Today
Karlsruhe & Speyer, Germany

- Leading the IPv6 migration for DRV RP, and DRV BW, including governance, planning cadence, and execution tracking.
- Built and operationalized a project control model with dashboard, action board, KPI portfolio, risk register, and decision index.
- Coordinating architecture, security, and rollout preparation across addressing, segmentation, dual-stack transition, test-lab planning, and cross-team dependencies.
- Driving compliance-relevant alignment for BSI, NIS2, and critical infrastructure requirements, evidence obligations, and transparent reporting to management and stakeholder groups within the institution.
- **Achievement: Established a reusable intake-to-governance workflow to create traceable actions, risks, questions, and evidence requests.**
- **Achievement: Created the operational baseline for program execution with measurable KPIs, ownership clarity, and decision transparency.**

- Program Management
- Project Governance
- IPv6
- Network Architecture
- Dual Stack
- Address Management
- BSI
- CI
- NIS2
- Compliance
- Risk Management
- KPI Management
- Evidence Management
- Atlassian Jira
- Confluence
- Microsoft PowerPoint
- Infoblox (IPAM)

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 of vulnerability and incident 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 and security oversight for application and network migrations.
- 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 Grundschrift, 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).
- Analysis, troubleshooting and sustainable remediation in email infrastructures.
- Consulting and implementation of IPv6, security topics, high-availability systems and more topics.
- Sub-project lead: data centre relocation including migration and rebuild of applications and server infrastructures into redundant, highly available environments.
- **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

SchlauFabrik – Multi-tenant Compliance & AI Training Platform

xtensible UG (haftungsbeschränkt) & Co. KG

December 2025 - Present

Hockenheim, Germany

- Designed and built a modern, responsive training platform for compliance and AI topics with tenant isolation and role-based access.
- Implemented security-by-design with Postgres Row-Level Security, audit logging, rate limiting, and hardened authentication flows (Passkey/Magic Link/2FA/SSO).
- Built course delivery with progress tracking, quizzes, enrollments, and admin dashboards for tenant/user management.
- Delivered tamper-evident PDF certificates with QR verification and cryptographic hashing; enabled bulk export for audits.
- Integrated Stripe billing (subscriptions, portal, webhooks) with license models and soft-lock mechanisms for tenant limits.
- Tech: Next.js (App Router), TypeScript, Bun, Tailwind, next-intl (DE/EN), Neon Postgres, Stripe, Resend, Vitest/Playwright.

Multi-tenant Compliance AI Training RBAC Postgres RLS Stripe Next.js
TypeScript Tailwind Neon Postgres Vitest Playwright

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