Victor Schmit

Advanced Security Engineer | Aspiring Information Security Officer

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Website Portfolio | linkedin.com/in/victorschmit

Professional Summary

Cybersecurity professional with experience in security engineering, architecture, and risk management across cloud and enterprise environments. Currently serving as Advanced Security Engineer at Zühlke Engineering, focusing on operational security, vulnerability management, and secure system design. Holds Associate CISSP and CISM certification, demonstrating expertise in both technical controls and governance frameworks (NIST CSF, ISO 27001, CIS Benchmark).

Core competencies

- **Governance, Risk & Compliance**: NIST CSF, ISO 27001, CIS Benchmarks, risk registers, policies & standards.
- **Operational Security**: Vulnerability management, incident response, SIEM (Microsoft Sentinel, Splunk), threat hunting.
- **Architecture & Engineering**: Secure design reviews, IAM (Entra ID, PIM, MFA/CA), Azure security & Intune/Defender.
- **Automation & Scripting**: Python, PowerShell, Bash, Logic Apps; security test automation.
- **Communication & Leadership**: Consulting, stakeholder alignment, reporting, coaching developers (SSDLC/STRIDE/Web Application Security).

Experience

Advanced Security Engineer, Zühlke Engineering AG – Zürich, Switzerland   Jan 2025 – Current

Mission: Consultant to strengthen enterprise security posture through architecture reviews, vulnerability management, and technical risk assessments.

- Lead security governance and maturity reviews aligned with NIST CSF and CIS Benchmarks.
- Define and validate IEC 62443 logical test cases for authentication, access control, and session management.
- Perform secure architecture assessments (cloud/IAM) and targeted penetration tests with reproducible PoCs.
- Advise on CIAM security, least-privilege, and role hygiene; support DevSecOps adoption.

Professional Security Engineer, Zühlke Engineering AG – Zürich, Switzerland   Dec 2022 – Dec 2024

Mission: Deliver hands-on security engineering and consulting across enterprise and cloud projects; embed security-by-design.

- Performed CIAM Foundation review against NIST CSF & CIS Benchmarks; produced prioritized remediation plan.
- Executed API/web assessments (incl. OAuth/OIDC token flows) and documented issues with clear reproduction steps.
- Advised on Entra ID Conditional Access, MFA hardening, PIM/role hygiene; reduced standing privileges.
- Coached teams on threat modeling (STRIDE) and SSDLC practices; facilitated security backlog triage.

Security Lead, Nokia – Helsinki, Finland   Dec 2021 – Nov 2022

Mission: Secure internal test automation frameworks and align them with corporate security standards.

- Defined security requirements and controls for three automation platforms: integrated security testing in CI/CD.
- Led internal security assessments and policy adoption initiatives with engineering teams.

Collaborator, Eötvös Loránd University – Budapest, Hungary   Dec 2020 – Jan 2021

- Co-created an EIT Digital course (Innosocial) on business and innovation.

Developer & Event Organizer, CSLABS – Namur, Belgium   June 2019 – Aug 2020

- Developed a Google Scholar API for university professors.
- Organized a hackathon.

Education

University of Turku – Finland, M.S. in Cybersecurity   Sept 2020 – June 2022

- Minor in Business

Eötvös Loránd University – Hungary, M.S. in Cybersecurity   Sept 2020 – June 2022

- Graduated with excellence
- Minor in Business

UNAMUR University – Belgium, B.S. in Computer Science   Sept 2016 – June 2020

Certifications

CISM, ISACA   Sep 2025
CISSP, (ISC)²   Jun 2025
Certified in Cybersecurity (CC), (ISC)²   Oct 2023
Security+, Comptia   Sep 2023
Microsoft Azure Fundamentals (AZ-900), Microsoft   Dec 2023

Project Example (More projects available in portfolio.)

Cybersecurity Lead for ForgeRock Customization   Jul 2024 – Feb 2025

Mission: One of Hong Kong's largest non-profit organizations designs and builds a new IAM platform serving 3 million customers. This platform is critical to supporting 95% of the organization's revenue through online betting, requiring exceptional reliability, performance, and security.

Tasks: Ensuring the security aspect in key components of the solution. Creation of a threat model of the solution, supporting pentests and reviewing findings, code review, security hardening review of configurations, policies, processes. Conducting comprehensive security posture assessment against the NIST CSF functions. Collaborating with stakeholders to align security solutions with business needs.

Methods and technologies: ForgeRock IAM, Java Development, Kubernetes, Penetration Testing, Threat Model, Security Policies.

Technical Skills

Governance & Risk Management:Microsoft Sentinel, NIST CSF, NIST SP 800, ISO 27001, CIS Benchmarks, IEC 62443, SAI360 GRC platform, Risk registers, Security policies & audits.

Security Architecture & Engineering: Secure design reviews, IAM governance (Entra ID, Keycloak, ForgeRock), Conditional Access, MFA, PIM, Azure AD, Azure Key Vault, Defender Suite, HashiCorp Vault, Microsoft Purview DLP, Kubernetes hardening, Container Security, Infrastructure-as-Code (Terraform).

Security Operations & Testing: Vulnerability management, Penetration testing (Burp Suite, Metasploit, ZAP), Threat modeling (STRIDE, Threat Matrix), SIEM configuration (Microsoft Sentinel, Splunk) and Incident response.

Cloud & DevSecOps: Azure, AWS, Intune, CI/CD pipeline integration (Azure DevOps), Policy-as-Code, Logic Apps, API hardening, Secure container orchestration (Docker, Podman).

Programming & Automation: Python, PowerShell, Bash, C++, Custom security test automation.

Languages

English Fluent	**Français** Langue maternelle	**Deutsch** Grundkenntnisse

References

Upon request, from customers or peers.