JOSUÉ SEBASTIÃO MARTINS, CISSP, CCSP

Chief Security Architect | Executive Cybersecurity & Transformation Leader

---

Aachen Region, Germany | josuecsmartins@live.com | linkedin.com/in/josuemartins

November 2026

To the Executive Hiring Committee / Chief Information Security Officer,
Selection Committee for Chief Security Architect

I am writing to express my strong interest in senior executive cybersecurity architecture roles—specifically Chief Security Architect, Head of Enterprise Security Architecture, or Principal Telecom & Cloud Architect—within leading organizations across Germany and Switzerland. With over 15 years of cross-domain experience spanning telecommunications, cloud-native infrastructure, OT/ICS resilience, and AI security governance, I specialize in bridging high-level C-suite strategy with rigorous, CLI-level technical execution.

Currently serving as Security Transformation Manager at Accenture Germany, I direct multi-disciplinary engineering and consulting teams safeguarding critical national infrastructure, global energy utilities, and Tier-1 telecommunication networks. My mandate centers on designing enterprise Zero Trust architectures that proactively reduce business risk while unlocking commercial growth. Notably, I have architected solutions for complex RFPs/RFIs that expanded high-margin cybersecurity service portfolios ($1M–$4M USD) and engineered SOC use-case strategies that successfully reduced enterprise security incidents by 20% to 50% across client environments.

What sets my architectural approach apart is the synthesis of protocol-level technical depth and strict regulatory alignment. Whether hardening 5G Standalone (SA) core network functions, designing PKI/mTLS cryptographic lifecycles, or establishing spaceborne gNodeB security for 3GPP Non-Terrestrial Networks (NTN), I ensure all architectures natively satisfy European regulatory benchmarks including EU NIS2, the EU AI Act, DORA, NIST CSF, and GSMA NESAS. Furthermore, by championing MLSecOps and GenAI security governance (OWASP Top 10 for LLMs), I have integrated AI-driven automation into security workflows, raising team productivity by 20% while curbing delivery costs by 30%.

As an executive candidate based in North Rhine-Westphalia with native English, native Portuguese, and professional German capabilities (B1/B2), I bring a global perspective combined with deep local familiarity with DACH and Swiss regulatory expectations. I am eager to leverage my CISSP/CCSP expertise to lead your enterprise security strategy, build resilient target architectures, and defend critical assets against sophisticated threat vectors.

Thank you for your time and consideration. I welcome the opportunity to discuss how my background in enterprise security transformation aligns with your organization's strategic vision.

Sincerely,

Josué Sebastião Martins, CISSP, CCSP

Josué Martins, CISSP, CCSP

Chief Security Architect | Telecom, Cloud, AI & Critical Infrastructure Security

Aachen Region, Germany | josuecsmartins@live.com | linkedin.com/in/josuemartins | medium.com/josue-martins

EXECUTIVE PROFILE

Security architecture and transformation leader with 13 years across device, mobile-operator and enterprise security, covering IT, OT, AI and 2G–6G public and private networks. Translates regulatory demands (NIS2, EU AI Act, 3GPP/GSMA NESAS) into practical target architectures, combining protocol-level depth with commercial delivery: shaping RFP responses, building cybersecurity service portfolios and advising critical-infrastructure clients across Europe, the US and the Middle East. Trilingual professional (English, Portuguese, German).

Target: Chief Security Architect roles in Germany or Switzerland at operators, critical-infrastructure organizations, vendors or regulated enterprises.

CORE COMPETENCIES

Security Architecture & Strategy
Enterprise and solution architecture, security-by-design, Zero Trust, threat modelling, qualitative risk assessment, security roadmaps

Telecom & Mobile Network Security
2G–6G RAN-to-Core, 5G SA core functions, signaling security (SS7, Diameter, GTP, SIP), private 5G, 3GPP NTN

Cloud & Infrastructure Security
CNF/VNF, NFV, SDN, Kubernetes, Docker, hypervisors, hybrid cloud, PKI, mutual TLS, OAuth 2.0, CMPv2, ACME

AI & Emerging Technology Security
MLSecOps, GenAI/LLM security (OWASP Top 10 for LLM), EU AI Act, post-quantum cryptography, non-terrestrial networks

Governance, Risk & Compliance
NIS2, EU AI Act, NIST, ENISA, ETSI/3GPP SCAS, GSMA NESAS, CIS, OWASP, critical national infrastructure

Offensive & Operational Security
Penetration testing, vulnerability management, SOC use-case design, threat hunting, malware analysis, reverse engineering, telecom fraud

IT & OT Security
Industrial and OT protocols (Modbus), energy, oil & gas and nuclear-sector exposure, manufacturing, banking and finance

Leadership & Commercial
Cross-functional team leadership, RFP/RFI solution design, cybersecurity service portfolios, go-to-market (EU, US, Middle East)

SELECTED ACHIEVEMENTS

- **Incident reduction:** Cut cybersecurity incidents at client organizations by 20–50% through proactive prevention, threat modelling and next-generation SOC use cases.
- **AI-enabled efficiency:** Integrated AI into security workflows, raising productivity by around 20% and reducing cybersecurity delivery cost by around 30%.
- **Revenue enablement:** Architected solutions for complex RFPs/RFIs and built high-margin cybersecurity services and go-to-market offerings across Europe, the US and the Middle East 1M - 4M USD.
- **Frontier-tech architecture:** Defined security architecture for 3GPP Non-Terrestrial Networks, including spaceborne gNodeB hardening, inter-satellite-link security and space PKI.
- **Operator-scale defense:** Led the telecom security team defending a national mobile operator's network (Unitel, Angola) and represented it in six GSMA security working groups.
- **Recognition:** Employee of the Year, Fraud and Security Department; Cisco Cyber Security Scholarship; Golden Key International Honour Society.

PROFESSIONAL EXPERIENCE

Accenture

Cologne, North Rhine-Westphalia, Germany

Security Transformation Manager

May 2026 – Present

- Lead cross-functional engineering and consulting teams delivering end-to-end security transformation across IT, OT, AI and public/private mobile networks (2G–6G).
- Align security programmes with NIS2, EU AI Act, NIST, ENISA, GSMA NESAS and 3GPP specifications, enabling critical-infrastructure clients to meet compliance requirements and protect revenue.
- Secure virtualised hybrid-cloud and telecom architectures (CNFs/VNFs, Kubernetes, hypervisors) using Zero Trust access models, PKI and mutual-TLS lifecycle management, with business continuity and disaster recovery built in.
- Lead threat-modelling, qualitative risk-assessment and SOC use-case initiatives to mitigate high-impact enterprise threats.
- Champion security strategy for MLSecOps, GenAI/LLM security, post-quantum cryptography and non-terrestrial networks.

Security Engineering Associate Manager Sep 2022 – May 2026

- Designed security architecture and engineering for 2G–6G networks on public and private cloud, covering 5G Core functions (AMF, SMF, UPF, NRF, UDM, AUSF, SEPP, SCP and others) as CNFs/VNFs.
- Ran penetration tests and vulnerability assessments of mobile networks and their IT infrastructure across Ericsson, Nokia, VMware, Red Hat, Oracle and Samsung platforms; performed 3GPP SCAS and GSMA NESAS assessments.
- Defined PKI, mutual-TLS, OAuth 2.0 and X.509 v3 lifecycle design (CMPv2, OCSP, CRL, ACME) for 5G Core, RAN and web servers.
- Developed NTN security architecture: feeder- and service-link protection, high-mobility handover and key management, timing and location spoofing mitigation, inter-satellite links, remote provisioning and space PKI.
- Shaped AI, LLM, API, web and IoT security architecture guidance (OWASP Top 10 for GenAI/LLM, MLSecOps), and wrote security solutions for RFP/RFI responses.

umlaut

Cologne, Germany

Senior Telecom Security Expert Jan 2021 – Oct 2022

- Delivered penetration testing, vulnerability assessment, security engineering and architecture across RAN-to-Core (2G–5G, Wi-Fi) and cloud-native or virtualised network functions.
- Carried out 3GPP SCAS and GSMA NESAS assessments of 5G functions (AMF, SMF, UPF, BSF, NRF, NSSF) in CNF/VNF deployments.
- Assessed protocol security (SS7, Diameter, GTP, SIP, HTTP/2, OAuth 2.0, SIGTRAN) and designed signalling-firewall and WAF controls.

Unitel

Luanda, Angola

Mobile & Telecom Security Specialist & Architect | Telecom Security Team Lead Oct 2016 – Dec 2020

- Led the team defending the mobile network against internal and external attacks across 2G, 3G, 4G, Wi-Fi core and IP layers.
- Embedded security by design into new products and projects through guidelines, security analysis and delivery oversight.
- Covered signaling (SS7, Diameter, SIP, GTP, SIGTRAN), IoT, value-added services, device and OS (Android, iOS) security, threat hunting, investigations, malware analysis and reverse engineering.
- Presented proof-of-concept attack demonstrations to leadership; represented Unitel in GSMA Device, IoT, 5G and Signalling Firewall groups (FS.11, FS.19, FS.20, FS.21, FS.22, FS.37).

Samsung Electronics

Johannesburg, South Africa

Senior Staff Mobile Security and Field Test Engineer Nov 2013 – Nov 2016

- Secured and tested embedded Linux, Android and Tizen across smartphones, routers, VR and wearables; bug hunting, reverse engineering and quality testing.
- Managed testing and projects; RF testing and protocol packet analysis on GSM/3G/4G networks. Tools: Wireshark, ADB, Apktool, Hopper, QXDM, QPST, Python, Java, shell scripting.

Tecnotree Corporation

Pretoria, South Africa

Red Hat Linux System Engineer (Ringback Tone and Voicemail platforms) Dec 2012 – Nov 2013

- Delivered installation, migration, integration, upgrade and UAT for value-added service platforms at customer sites; 24x7 on-call support and customer training for Cell C South Africa.

EDUCATION

BSc Computer Science (minor: BCom Information Systems) and Honours in Computer Science – University of the Western Cape, 2009–2012

CERTIFICATIONS

CISSP | CCSP | SUSE Certified Linux Administrator

PUBLICATIONS & RECOGNITION

- 5G Core: a feasible and secure approach for OAuth2 signing and verification
- Mobile Packet Monitor
- Mobile Security Analysis Case Study: Detecting IMSI and Sensitive Information Harvesting on Android Smartphones
- Best Practice for Single Ring Solicitation Fraud (Wangiri) Detection and Management, 2019
- Coordinated vulnerability disclosure credit: CVD-2025-0104
- Member, GSMA Fraud and Security Group, 2016–2026.

LANGUAGES

English (native) | Portuguese (native) | German (B1-B2) | Spanish (A2)