

# Sousa Sidnei da Silva

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**Availability: 4 weeks**

**Nationality: Portuguese**

**Security Clearance: active NATO Secret security clearance**

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## PROFESSIONAL SUMMARY:

Senior Cybersecurity and Infrastructure Architect with over 25 years of experience designing, securing, and integrating complex enterprise IT ecosystems. Skilled in providing technical leadership across multidisciplinary teams and delivering architecture strategies for large telecom, cloud, and enterprise environments. Strong expertise in security governance, cross-domain system integration, and compliance within multinational organizations. Delivered infrastructure and cybersecurity architecture solutions for major organizations including Nokia, Capgemini, and EU institutions.

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## TECHNICAL SKILLS:

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- Network & Security Architecture: Checkpoint, Fortigate, Cisco, VPNs, Firewalls
  - Cloud & Hybrid Infrastructure: AWS, Azure, virtualization, mobile/cloud solutions
  - Technical Leadership & Coordination: multidisciplinary teams, cross-domain architecture decisions
  - Governance & Compliance: ISO, NIST, GDPR, accreditation processes
  - Strategic Planning & Business Alignment: RFP/RFI analysis, project scope, business process evaluation
  - Monitoring & Operations: Infrastructure integration, security policies, service desk, monitoring tools
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## EDUCATION

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- Bachelor 's degree - Management of Information Technology – Universida de Estácio de Sá – 2011 - 2014
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## CERTIFICATES:

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- EF SET Certificate - English Level, 2023
  - CCNA, Administrative BIG-IP v16.1, Cisco Networking Academy - UFRJ
  - Checkpoint Certified Security Expert (CCSE)
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## TRAINING/COURSES:

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- Browsing the Web Securely,
- CASP+ Cert Prep 2 Enterprise Security Architecture, Nokia
- CASP+ Cert Prep 5 Research, Development and Collaboration, Nokia
- CISSP Cert Prep 7 Security Operations (2018), Nokia
- CompTIA Security+ (SY0-501) Cert Prep 3 Architecture and Design, Nokia
- Crisis Communication, Nokia
- Cybersecurity Foundations (2015), Nokia
- Developing Secure Software, Nokia
- Ethical Hacking Hacking IoT Devices, Nokia
- Ethical Hacking Introduction to Ethical Hacking, Nokia
- Ethical Hacking with JavaScript, Nokia
- Implementing an Information Security Program, Nokia
- Incident Response Planning, Nokia



- IT Security Careers and Certifications First Steps, Nokia
- Learning Cyber Incident Response and Digital Forensics, Nokia
- Programming Foundations Web Security, Nokia
- Securing the IoT Designing and Testing, Nokia
- Security Awareness Social Engineering, Nokia
- Security Matters (To Everyone), Nokia
- Security Testing Essential Training, Nokia
- The Cybersecurity Threat Landscape, Nokia
- AWS Firewall WAF and Shield, IAM Identity and Access Management, Nokia
- AWS Detective, Nokia
- SABSA, Nokia
- COBIT, Nokia
- SIEM, Nokia
- Grafana, Nokia
- ForcePoint SMC and Firewall NGFW, Nokia

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## WORK HISTORY

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### Infrastructure Solution Engineer - OTE in euLISA & European Parliament, Strasbourg, France

Feb-2024 To Present

- Lead complex challenges in the architecture, design, installation, and maintenance of advanced network solutions and cybersecurity, ensuring high availability, resilience, and security in enterprise environments.
- Manage and integrate advanced network hardware, software, and security technologies to deliver efficient, secure, and compliant infrastructure solutions aligned with euLISA standards.
- Oversee maintenance, troubleshooting, and preventive diagnostics to ensure operational continuity and high performance across network services.
- Drive Privileged Access Management (PAM) automation using PrivX in hybrid environments, leveraging Terraform and PowerShell, and integrate CAMS and SIEM platforms to centralize auditability, session control, and security event visibility.
- Ensure infrastructure and cybersecurity compliance with ISO, CMMI, GDPR, and NISD frameworks, supporting governance, accreditation, and continuous improvement initiatives.
- Provide technical leadership and coordination across multidisciplinary teams, guiding architecture decisions, standardizing processes, and implementing ITIL-based service management practices for incident management, change control, and operational delivery.
- Plan and implement advanced network security measures, protecting data, applications, and infrastructure against internal and external threats in compliance with organizational and regulatory standards.
- Create and maintain detailed technical documentation, operational procedures, and knowledge transfer resources to ensure service continuity, quality control, and process standardization.
- Oversee wireless network implementation: plan, install, test, and optimize connectivity to ensure robust and resilient enterprise networking aligned with euLISA standards.
- Conduct continuous performance monitoring, analysis, and tuning, applying systems thinking to identify dependencies, risks, and opportunities for process and platform improvement.
- Support lifecycle and obsolescence management, ensuring infrastructure and security solutions remain operational, up-to-date, and technically coherent across all enterprise services.
- Coordinate with internal and external stakeholders to align technical solutions with organizational strategy and operational requirements, contributing to enterprise-level planning and reporting.

### Infrastructure Solution Architect - Ddesign – ABB – Delft, Netherlands

Apr-2023 To Jan-2024

- Provided technical leadership and oversight for ABB's global EV charging network, supporting the architecture, integration, and operational management of secure infrastructure and associated cloud services.
- Supported global service organizations across EMEA and international regions, resolving complex infrastructure and integration issues across cloud (AWS, Azure) and on-premise environments.
- Assisted customers and operational teams with Linux-based infrastructure environments, ensuring reliable operation, availability, and compliance of charging networks and backend systems.



- Coordinated with local service teams, suppliers, and engineering groups to manage installation, commissioning, and lifecycle management of EV charging infrastructure, ensuring technical coherence and alignment with operational requirements.
- Participated in cross-domain technical discussions covering infrastructure, cloud integration, networking, and cybersecurity to guide solution design, standardization, and continuous improvement.
- Contributed to architecture planning and system lifecycle considerations, including technology selection, integration across networking, virtualization, and security domains, and obsolescence management.
- Developed automation solutions in collaboration with R&D teams, improving operational efficiency, service delivery, and process standardization.
- Monitored infrastructure and service performance using enterprise monitoring platforms (GRAFANA, EVE), analyzing data to optimize operations and ensure SLA compliance.
- Delivered technical guidance and training to service teams on tools, operational procedures, troubleshooting, and cybersecurity best practices.
- Applied ITIL-based service management practices, including incident management, change control, and SLA compliance, to ensure reliable, high-quality service delivery.
- Improved processes and workflows within local teams, quality departments, and production units, contributing to continuous service and product improvement.

### **E2E Security / Infrastructure Architect - Capgemini - Nokia, Lisbon**

Jul-2019 To Oct-2022

- Provided technical leadership and oversight across 15 multidisciplinary teams (~45 engineers and specialists) delivering secure private cloud infrastructure and telecom security architecture projects across Scandinavia and the UK.
- Designed and deployed secure cloud solutions using Red Hat OpenStack, integrated with AWS, Azure, and on-premise datacenters, implementing PrivX-based PAM with Vault for MFA and credential automation.
- Developed information security architecture frameworks, applying risk assessments, compensation controls, and compliance with NIST, ISO 27001, TOGAF, CIS, SABSA, PCI, COBIT, GDPR, and NISD standards.
- Led cross-domain architecture planning, integrating networking, virtualization, and security components to support 5G mobile networks and enterprise cloud services.
- Conducted security assessments using blue/red team methodologies, vulnerability management tools (Tenable, Kali Linux), CMDB, ITSM platforms, and penetration testing to ensure secure infrastructure operations.
- Developed custom automation and integration scripts using Python and JavaScript for framework hardening, security policy enforcement, and operational efficiency.
- Managed major global commitments, negotiating contractual and technical requirements with Nokia customers, engineers, and stakeholders to align infrastructure with business objectives.
- Monitored and analyzed infrastructure performance using enterprise monitoring systems (SOAR, Zabbix, SolarWinds, PRTG), implementing continuous improvements to enhance reliability, security, and service delivery.
- Ensured compliance with security frameworks and auditing requirements, coordinating with governance and accreditation teams to meet ISO/CMMI/NISD standards.
- Applied best practices in cybersecurity, cloud operations, and infrastructure management to provide secure, resilient, and operationally efficient environments for multinational clients.

### **IT Infrastructure Security Administrator - Teleperformance, Lisbon**

Jan-2018 To Jun-2019

- Managed and maintained secure IT infrastructure for call centers, integrating IoT and OT devices and networks to improve operational efficiency, security, and customer experience.
- Configured, monitored, and troubleshot network and security devices, including Cisco switches, firewalls (Cisco Firepower, FortiGate, Juniper), VPNs, and reverse proxies, ensuring high availability and compliance with security standards.
- Developed technical solutions and security tools to mitigate vulnerabilities, automate repeatable tasks, and enhance overall infrastructure resilience.
- Oversaw cloud integration and management, including Azure IoT and AWS IoT platforms, for the monitoring, management, and analysis of IoT/OT data.
- Conducted business structure evaluations to implement flexible IT solutions aligned with organizational requirements and operational objectives.
- Performed infrastructure deployment and maintenance projects in new facilities, ensuring seamless integration and operational continuity.



- Administered monitoring and reporting systems (LanSweeper) to provide visibility into network performance, incidents, and compliance metrics.
- Supported contract management and service delivery, coordinating with internal teams and external vendors to ensure SLA adherence and high-quality support.

### **IT Infrastructure Security Administrator - OutSystems**

Feb-2017 To Jan-2018

- Managed and secured IT infrastructure for digital solutions environments, integrating IoT and OT devices and networks to enhance operational performance, security, and compliance.
- Evaluated business structures and implemented flexible IT solutions, ensuring alignment with organizational objectives and operational requirements.
- Configured, maintained, and troubleshot network and security infrastructure, including Extreme switches, firewalls, VPNs, and reverse proxies, supporting both traditional IT and IoT/OT environments.
- Developed technical solutions and security tools to mitigate vulnerabilities, automate repeatable tasks, and strengthen system resilience.
- Administered cloud infrastructure (AWS, Azure) to support enterprise applications and mobile solutions, including migration, replication, integration, and network configuration between on-premises datacenters and cloud environments.
- Implemented and managed Network Access Control (NAC) projects, ensuring secure access to IoT/OT and enterprise systems.
- Managed and customized monitoring systems (SolarWinds), leveraging Python and PowerShell scripts for operational automation and performance tracking.
- Oversaw infrastructure lifecycle activities, including configuration, integration, automation, troubleshooting, and operational continuity.
- Coordinated support contracts and service delivery, ensuring SLA compliance and high-quality operational support.

### **Network Team Lead - Martifer Group**

Jun-2015 To Feb-2017

- Led the design, deployment, and management of IT infrastructure integrating IoT and OT devices, ensuring high availability, performance, and security across enterprise networks.
- Provided technical leadership and team management, delegating tasks, motivating staff, and ensuring objectives were met in alignment with organizational priorities.
- Planned, prepared, and executed annual work and resource plans, identifying opportunities to leverage IT for solving complex business, organizational, and technical challenges.
- Oversaw network service management, ensuring reliability, availability, and performance of network operations in accordance with SLAs.
- Directed project planning, monitoring, and execution for new site and facility network deployments, including design, implementation, and troubleshooting.
- Implemented advanced access control mechanisms (802.1x, RADIUS, SSL certificates) and participated in security assessments, incident management, vulnerability testing, and corrective actions.
- Designed, configured, and maintained network infrastructure, including:
  - HP ProCurve switches and management tools
  - Cisco routers (Access Lists, VPN Tunnels, Routing) and ASA firewalls
  - Juniper firewalls
  - Checkpoint R77 firewalls and tuning
  - VLANs, SNMP, port access, trunking, and VRRP advanced routing
- Applied ITIL-based processes for incident resolution, problem-solving, and service continuity, managing major network-related incidents to closure.
- Participated in cross-domain technical discussions, ensuring secure and efficient integration of networking, access control, and enterprise IT systems.

### **Business Analyst - SHV Energy - Supergasbras Energia LTDA, Rio de Janeiro**

Jun-2012 To Jan-2015

- Led the design, implementation, and management of telecommunication and IT infrastructure projects, ensuring high availability, performance, and security across LAN, WAN, and IP networks.



- Developed and deployed network configurations, equipment structures, and voice/data services, including CPE installation and PBX/Call Center platforms (Avaya, Siemens, Alcatel).
- Managed network sizing, routing, switching, and QoS, integrating IP/MPLS networks and ensuring SLA compliance.
- Oversaw network infrastructure across multiple sites: 4 datacenters, 8 bottlers, 61 deposits, a call center, and 1 central shared service for ~4,500 employees.
- Maintained and secured firewall environments (Checkpoint, Fortinet) and provided operational support for telephony and data services.
- Evaluated business requirements and implemented projects 0800 and 4003, ensuring seamless integration with existing IT infrastructure.
- Managed service contracts and coordination with external vendors (Embratel, Vivo, Avaya, Siemens, Level3), ensuring quality delivery and compliance.
- Monitored network and service performance, troubleshooting and resolving issues across multi-vendor environments.
- Produced technical documentation and operational procedures to ensure knowledge transfer, continuity, and governance adherence.

#### **Consultant Network Specialist - Giganet Consultoria e Informática, Rio de Janeiro**

Feb-2012 To May-2012

- Managed GSM and WAN network research, contributing to design and optimization of enterprise network infrastructure.
- Administered servers and developed security policies to safeguard systems and data.
- Oversaw service contracts and liaised with IT suppliers to ensure compliance and service quality.
- Conducted technology analysis and evaluation, testing new software and networking solutions to identify business opportunities.
- Implemented network equipment configurations, designs, and engineering solutions to improve performance and reliability.

#### **Business Analyst - Arti Arplam Plásticos LTDA, Rio de Janeiro**

Jan-2012 To Feb-2012

- Supported ERP TOTVS RM system administration across payroll, materials, purchasing, billing, finance, fixed assets, and accounting modules.
- Managed LAN and WAN networks between headquarters and industrial units, contributing to security policy development and technological resource utilization.
- Delivered user training and system support, ensuring smooth adoption of IT tools and processes.
- Managed service contracts and participated in administrative restructuring process to improve operational efficiency.