Sebastian Koch

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Education

Ruhr University Bochum

Master of Science in Network and IT Security

Oct 2015 – Sep 2017 | Bochum, Germany

University of Applied Sciences Darmstadt

Bachelor of Science in Computer Science

Oct 2012 – Jul 2015 | Darmstadt, Germany

Work Experience

Network Security Engineer | Commerzbank AG | Nov 2017 - Present | Frankfurt, Germany

- Designed, implemented, and managed network security infrastructure including firewalls (Palo Alto Networks, Check Point), IDS/IPS, VPNs (IPSec/SSL), and Network Access Control (NAC).
- Configured and troubleshoot complex network routing (BGP, OSPF) and switching environments.
- Performed network security audits and vulnerability assessments.
- Responded to network security incidents and implemented remediation actions.
- Developed network security policies and standards.
- Worked with network monitoring and logging tools (e.g., SolarWinds, Splunk).

Skills

Network Security: Firewalls (Palo Alto Networks PAN-OS, Check Point Gaia - Advanced), IDS/IPS (Sourcefire/Snort), VPN (IPSec, SSL VPN, AnyConnect), Network Access Control (NAC - Cisco ISE/Aruba ClearPass), Web Application Firewalls (WAF)

Networking: Routing Protocols (BGP, OSPF), Switching (VLANs, STP, LACP), TCP/IP (Deep understanding), DNS, DHCP, Load Balancing (F5 BIG-IP basics)

Security Concepts: Network Segmentation, Zero Trust Networking, Threat Prevention, Security Auditing, Incident Response

Tools: Wireshark, Nmap, Nessus, Splunk, SolarWinds, Python (for scripting), Ansible (for automation basics)

Hardware: Cisco Routers/Switches, Palo Alto Firewalls, Check Point Appliances

Operating Systems: Linux, Windows Server

Certificates

Palo Alto Networks Certified Network Security Engineer (PCNSE)

Check Point Certified Security Expert (CCSE)

Cisco Certified Network Professional (CCNP) Security

Awards

Commerzbank IT Security Team Award 2021