

# ROBY K.S.

## Network Security Architect | Security Engineering Lead

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### PROFESSIONAL SUMMARY

Network Security Architect with 17 years of experience designing and delivering enterprise security solutions across on-premises data centers, branch offices, and hybrid cloud environments. Deep hands-on expertise in Zero Trust architecture, next-generation firewalls, cloud security platforms, and microsegmentation. Proven track record leading complex migrations, cross-functional project delivery, and stakeholder engagement at enterprise scale.

### CORE COMPETENCIES

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|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Zero Trust Architecture<br>Palo Alto NGFW & Panorama<br>Zscaler (ZIA / ZPA) | Netskope (NPA / NCE)<br>Illumio Microsegmentation<br>Cisco Firepower (FMC/FTD) | Skybox / AlgoSec Policy Mgmt<br>HLD / LLD & Migration Planning<br>Fortinet, IPsec VPN, Load<br>Balancers |
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### PROFESSIONAL EXPERIENCE

#### Security Engineering – Senior Engineer | Telstra Dec 2021 – Present

- Architected and deployed end-to-end Zero Trust framework across the enterprise, spanning user identity, network access, workload segmentation, and cloud security layers.
- Led cloud security transformation using Netskope — covering Private Access (NPA) publisher deployment, Cloud Exchange (NCE) for vulnerability intelligence aggregation, and ongoing policy management.
- Driving datacenter modernisation from legacy infrastructure to Software-Defined Networking (SDN) platforms, including active involvement in Cisco ACI/APIC design and network virtualisation strategy.
- Delivered centralised firewall architecture programme, migrating Cisco ASA estates to virtual next-generation firewalls (Cisco Firepower FMC/FTD) — both physical and virtual deployments — with zero production impact during policy migration.
- Designed and executed micro and nano segmentation strategy using Illumio, defining workload isolation boundaries to contain lateral movement across production and sensitive environments.
- Owned Business Continuity Planning (BCP) and Disaster Recovery testing for network security infrastructure, validating failover and recovery procedures across critical security controls.

#### Network Security Architect | Alstom India Apr 2019 – Apr 2022

- Designed and implemented firewall architecture for new manufacturing and lab sites, enforcing segmentation between OT and IT networks.
- Standardized security rule sets deployable across multiple lab and shop-floor locations, reducing policy inconsistency.
- Managed internet gateway security using Fortigate and Zscaler, including Zscaler Client Connector rollout and risk remediation.
- Delivered partner remote access using IPsec VPN, Pulse Secure, Citrix, and Azure Proxy — covering diverse partner connectivity requirements.
- Performed firewall optimization and cleanup using FortiManager and Skybox, improving policy hygiene and device performance.
- Ensured inter-datacenter resiliency and redundancy as part of broader infrastructure security design.

#### Technology Advisor – Palo Alto | Accenture Solutions Nov 2015 – Mar 2019

- Appointed as one of 69 Technology Advisors for Palo Alto across Accenture India — a recognition of subject matter expertise.
- Rated P4 (Expert) in Palo Alto skills assessment; served as escalation point and internal SME for client engagements.
- Managed a Panorama-based estate of 90 high-availability firewall locations; deployed cloud Palo Alto instances in enterprise data centers.
- Automated operational tasks including HA failover alerts and backup scheduling using Palo Alto APIs integrated with SolarWinds.
- Led migrations from Check Point to Palo Alto, including policy translation, testing, and go-live support.
- Implemented Threat Prevention, WildFire, and URL Filtering profiles; handled WildFire zero-day analysis and remediation.
- Led network security operations team; responsible for P1/P2 escalations, change approvals, and offshore team hiring and management.

#### **Technical Lead – Network Security | Wipro Technologies** *Jul 2014 – Nov 2015*

- Managed 300 Palo Alto firewalls via Panorama as primary Panorama administrator.
- Delivered Websense to Palo Alto URL filtering migration and Cisco ASA to Palo Alto firewall migrations.
- Set up VMware-based Palo Alto virtual firewalls for lab and test environments.
- Created and maintained knowledge base articles; led a 25-member offshore team, managing workload, escalations, and onboarding.

#### **Senior Network Engineer | CSS Corp Pvt. Ltd.** *Jun 2012 – Jul 2014*

- Provided TAC-level support for Palo Alto Networks, handling complex policy, routing, and threat prevention issues.
- Replicated customer environments in lab to reproduce and resolve escalated issues with packet captures and debug analysis.
- Delivered technical training for new engineers and authored Palo Alto knowledge base content.

#### **Network Administrator | Inet Infotech** *Jun 2010 – Mar 2012*

- Managed LAN infrastructure including IP addressing, VLANs, routing protocols (OSPF, EIGRP, BGP), and WAN technologies.
- Implemented redundancy and load balancing; administered DHCP, user profiles, and hardware/software systems.

#### **System Administrator | Syntrio Technologies** *May 2008 – May 2010*

- Administered Linux servers, hardware firewalls, and web hosting environments (cPanel, Plesk).
- Managed mail servers (Exim, SmarterMail), performed kernel customization, and handled account and server migrations.

### **CERTIFICATIONS**

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- PCNSE – Palo Alto Networks Certified Network Security Engineer (2017)
- Netskope Certified Cloud Security Administrator
- Zscaler Certified Cloud Administrator – Internet Access (ZCCA-IA)
- ITIL® Foundation Certificate in IT Service Management
- CCIE Routing & Switching – Written (2012)

### **EDUCATION**

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**B.Tech – Electronics & Communication Engineering** | University of Calicut, Kerala | *Jun 2007*