BALAMURUGAN SIVARAMAN

CLOUD & NETWORK SECURITY | SD-WAN | DEVSECOPS | SASE

NO.10/33, SASTHRI 3RD CROSS STREET, KAVERI NAGAR, SAIDAPET, CHENNAI – 600015.

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PROFILE

Versatile **Cloud & Network Security Consultant** with 14 years of global experience architecting secure, scalable, and high-performance infrastructures. Proven expertise in **SASE**, **SD-WAN**, and **multi-cloud security**, integrating **Zero Trust** and **Secure Edge** architectures across hybrid environments. Trusted advisor with hands-on proficiency in **Prisma Access**, **Zscaler**, **Cisco Viptela**, **Aviatrix**, **Terraform**, and **CI/CD pipelines**, delivering measurable business impact through automation, compliance, and resilience. Passionate about embedding **security-by-design** and mentoring teams to drive innovation and operational excellence

EDUCATION AND CERTIFICATES

B.E-ELECTRONICS AND COMMUNICATION ENGINEERING | DHANALAKSHMI COLLEGE OF ENGINEERING AND TECHNOLOGY, CHENNAI 2006 – 2010

- **Palo Alto Networks** Micro Credentials
- **Azure** - Fundamentals / Security Engineer Associate
- **Aviatrix** Multi-cloud Network Associate – 2020-8020
- ·**Cisco** Certified Network Associate (CCNA) – CSCO12347394
- **Zscalar** Certified Cloud Administrator – Internet / Private Access
- **Redhat Certified Engineer (RHCE)** – 8050119687588000

SKILLS

🌐 **Cloud & Network Security | SASE**
- Expertise in **SASE architecture** integrating *Zero Trust Network Access (ZTNA)*, *CASB*, *SWG*, and *SD-WAN* for secure edge transformation.
- Hands-on with **Palo Alto Prisma Access**, **Zscaler Internet & Private Access**, **Cisco Umbrella**, and **Aviatrix FireNet/CoPilot** for hybrid and multi-cloud security.
- Designed **secure overlay networks**, **micro-segmentation**, and **Zero-Trust models** across **AWS, Azure, and GCP**.

☁ **Cloud Security & DevSecOps**
- Skilled in **Prisma Cloud, Azure Defender, AWS GuardDuty, and GCP Security Command Center** for CSPM and CWPP.
- Experienced in **container and Kubernetes security**, implementing runtime protection, network policies, and vulnerability scanning using **Kubernetes (EKS, AKS, GKE)**
- Implemented **DevSecOps pipelines** using **Terraform, Ansible, Python**, and **CI/CD** integrations for policy-driven automation.
- Deployed **WAF & DDoS solutions** – *F5 Advanced WAF, Cloudflare, Fortinet, Imperva, Radware DefensePro, Akamai Kona*.

🔗 **SD-WAN & Cloud Networking**
- Advanced deployment of **Cisco Viptela, Meraki, and Aruba EdgeConnect (SilverPeak)** for global SD-WAN rollouts.
- Architected **multi-cloud SD-WAN fabrics** via **Aviatrix Transit FireNet**, ensuring secure, application-aware routing and DIA optimization.
- Integrated **SASE and SD-WAN** for unified identity-based access control and policy enforcement.

🖲 **Automation & Infrastructure as Code (IaC)**

- Proficient in **Terraform**, **Ansible**, and **AWS CloudFormation** for network and security provisioning.
- Developed **Python & Bash scripts** for API-driven automation, posture validation, and SOAR integrations.
- Experience with **GitHub Actions, Postman**, and **CI/CD pipelines** for continuous compliance and versioned infrastructure.

🛡 Threat Detection, SIEM & SOC Automation
- Expertise in **Splunk ES, Microsoft Sentinel, Cortex XSOAR, IBM QRadar**, and **Sumo Logic**.
- Built **automated playbooks** for incident enrichment, triage, and response aligned with **MITRE ATT&CK**.

🧩 Security Testing & Governance
- Skilled in **Tenable.io, Nessus Pro, Burp Suite Pro, Nmap, Metasploit, Kali Linux** for vulnerability assessments.
- Strong understanding of **OWASP Top 10 (2023), NIST 800-53**, and **SANS/CWE 25** frameworks.

🖧 Routing, Switching & Edge Services
- Deep expertise in **OSPF, BGP, VXLAN, HSRP, VRRP**, and enterprise **LAN/WAN** architectures.
- Hands-on with **Cisco Catalyst (9300/9400/9600)**, **Nexus (3K/5K/9K)**, and **ASR/ISR routers**.
- Managed **proxy & DNS infrastructure** – *Zscaler ZIA/ZPA, Infoblox, Cloudflare Gateway, Akamai Edge DNS*.

PROJECT HIGHLIGHTS
- **Zero Trust & SASE Transformation:** Migrated to **Prisma Access**, implementing global **ZTNA** and **SASE**, improving scalability and reducing gateway reliance by 60%.
- **Firewall Modernization:** Transitioned 70+ sites to **Palo Alto NGFWs** with **Panorama**, reducing policy deployment time by 40%.
- **Multi-Cloud Security Architecture:** Built secure AWS/Azure landing zones using **Terraform & Aviatrix**, integrating **Prisma Cloud, Azure Defender, GuardDuty**.
- **Enterprise SD-WAN Deployment:** Rolled out **Cisco Viptela & Meraki SD-WAN**, reducing MPLS costs by 50% while improving application performance.
- **Application & Edge Security:** Migrated to **F5 LTM/ASM** and **Azure Front Door**, centralizing WAF and enabling TLS/DDoS protection.
- **Data Center Exit & Cloud Migration:** Automated **DC-to-cloud migration** using **Ansible/Terraform**, cutting provisioning time by 70%.
- **Security Automation & DevSecOps:** Integrated **Cortex XSOAR**, **Terraform**, and **CI/CD** to automate provisioning and response, reducing manual effort by 40%.

PROFESSIONAL EXPERIENCE
ASSOCIATE CONSULTANT | HCL TECHNOLOGIES PVT. LTD. | AUG 2021 – PRESENT
Domain: Cloud Security | SASE | SD-WAN | DevSecOps
- Lead architect for **SASE and Zero Trust adoption**, aligning enterprise cloud and edge security under unified frameworks.
- Defined **security reference architectures** for AWS and Azure, integrating automation and compliance controls.
- Directed **global SD-WAN governance**, ensuring alignment with business continuity, visibility, and SLA objectives.
- Championed **DevSecOps enablement**, embedding security validation and IaC principles into CI/CD workflows.
- Guided cross-functional teams on **incident response, HA/DR**, and **security operations modernization**.

TECHNICAL LEAD | COGNIZANT TECHNOLOGY SOLUTIONS PVT. LTD. | AUG 2018 – AUG 2021

Domain: Network Security Engineering | Cloud Enablement | Automation

- Led **security modernization initiatives**, optimizing perimeter, WAF, and remote access solutions for large-scale clients.
- Introduced **automation frameworks** (Terraform, Ansible, Python) to streamline security provisioning and reduce manual effort.
- Partnered with SOC and governance teams to improve **SIEM integrations, playbooks, and risk reporting**.
- Mentored L2/L3 teams, improving operational maturity and standardization across global security environments.

IT ANALYST | TATA CONSULTANCY SERVICES PVT. LTD. | MAY 2015 – AUG 2018

Domain: Data Center & Cloud Security Operations

- Oversaw **network and firewall operations** across regional data centers, ensuring availability and secure access.
- Supported early-stage **cloud transitions** by aligning legacy controls with AWS and Azure frameworks.
- Enhanced service delivery through process documentation, risk assessments, and configuration baselines.

NETWORK ENGINEER | QUADSEL SYSTEMS PVT. LTD. | OCT 2013 – MAR 2015

Domain: Enterprise Network & Security Support

- Delivered **network and firewall deployments** for BFSI clients, ensuring reliability and regulatory compliance.
- Supported secure WAN rollouts and failover validation for distributed branches.

EARLIER ROLES (2011 – 2013)

System & Support Engineer – 3i Infotech / InfoServices / Care IT Solutions

- Provided network infrastructure support, troubleshooting, and early exposure to **LAN/WAN, ACLs, and VPN technologies**.
- Developed strong fundamentals in network operations, change control, and customer engagement.

Key Client Environments

Western Digital | Sandisk Technologies | Sainsbury's | Pearson Global | Hasbro | John Lewis | Sundaram Clayton | MRF | Zoho | PwC | Lakshmi Vilas Bank | Standard Chartered Bank