

NAGASESANK M

AWS Cloud Security Engineer | Senior Cybersecurity Engineer | DevSecOps

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PROFESSIONAL SUMMARY

Senior Cybersecurity Engineer with 8+ years securing AWS cloud, hybrid, and enterprise environments. Specialized in Zero Trust architecture, DevSecOps automation, and HIPAA/HITRUST compliance. Hands-on expertise in multi-account AWS security, automated threat detection, and shift-left IaC guardrails. PCNSE, CEH, and AWS-certified with a track record of measurable risk reduction.

CORE SKILLS

Cloud Security: AWS IAM, SCPs, AWS Organizations, CloudTrail, GuardDuty, Security Hub, CloudWatch, AWS WAF, VPC, EC2, SSM (Session Manager), EventBridge, Lambda, S3 Security, KMS, Secrets Manager, AWS Config, Inspector, JIT Access, Multi-Account Architecture, Zero Trust, SOAR Automation

Network Security: Palo Alto (PCNSE), Cisco (CCNA/CCNP), Juniper, IDS/IPS, VPN, BGP, OSPF, ACLs, Zero Trust Architecture, Network Segmentation

DevSecOps: Terraform, Ansible, OPA/Checkov, CI/CD Security, SAST/DAST, Python, Bash, Git, IaC Guardrails

Security Ops: Vulnerability Management, OWASP Top 10, Penetration Testing, SIEM, Incident Response, ITDR, Threat Hunting, SOC Operations, Log Analysis, DLP

IT Administration: Windows Server (MCSE), Active Directory, Group Policy, DNS, DHCP, Office 365, Endpoint Management, Patch Management, ITSM

AI & Compliance: GenAI Security (MITRE ATLAS), ISO 27001:2022, HIPAA, HITRUST, GRC, CIS Benchmarks, NIST CSF, MITRE ATT&CK, Risk Assessment, Audit & Assurance

PROFESSIONAL EXPERIENCE

Self-Directed Security Researcher | AWS Security Researcher (Independent)

Visakhapatnam, India | Oct 2025 – Present

- Built a 10-project AWS security portfolio progressing from baseline IAM hygiene to staff-level multi-account Zero Trust architecture using AWS Organizations and SCPs.
- Implemented automated detection and response (Cloud SOAR) using EventBridge + Lambda, reducing simulated incident response to event-driven, human-free remediation.
- Designed ITDR patterns to detect abnormal IAM role and identity behavior via CloudTrail analytics and automated alerting pipelines.
- Enforced shift-left IaC security using Checkov and OPA policy gates in CI/CD pipelines, blocking non-compliant Terraform before deployment.

CitiusTech Healthcare Technologies Pvt Ltd | Senior Cybersecurity Engineer

Hyderabad, India | Feb 2025 – Sep 2025

- Architected Zero Trust IAM policies and VPC network segmentation for AWS healthcare platforms, maintaining continuous HIPAA/HITRUST compliance across all production environments.
- Engineered centralized threat detection pipeline using CloudTrail, GuardDuty, and AWS WAF, reducing Mean Time to Detect (MTTD) by 35%.
- Automated security enforcement in CI/CD via Terraform and Ansible, achieving 90% automated remediation of infrastructure misconfigurations at commit time.
- Led escalation response for critical cloud security incidents; mentored team of junior engineers on AWS-native security practices and Zero Trust principles.

Loginsoft Pvt Ltd | Security Researcher – Vulnerability Management

Hyderabad, India | Aug 2021 – Feb 2025

- Conducted end-to-end penetration testing on web applications and APIs, identifying and remediating 50+ critical vulnerabilities including RCE and SQL injection across client environments.
- Developed CIS Benchmark-based hardening baselines for Windows, Linux, and macOS, reducing measurable attack surface by 25% across 100+ systems.
- Assessed Cisco and Juniper network devices for configuration weaknesses; delivered risk-prioritized remediation reports directly to client stakeholders.

Mitigator TechSecure Pvt Ltd | Security Analyst

Bhubaneswar, India | May 2020 – Sep 2021

- Monitored enterprise-wide security alerts across firewalls and IDS/IPS systems; contributed to incident response workflows reducing average response time.
- Conducted quarterly access reviews in Active Directory to enforce least privilege across 500+ user accounts.

Golars Networks Pvt. Ltd. | *Network & Security Intern*

Hyderabad, India | Aug 2019 – Feb 2020

- Completed hands-on training and projects aligned with CCNA, CCNP, MCSE, and cybersecurity fundamentals; supported on-demand client issue resolution under supervision.
- Gained practical exposure in cloud and security domains through live environments and guided engagements, building foundational skills in network security and infrastructure.

CRM Enterprise Pvt. Ltd. | *Security Engineer*

Visakhapatnam, India | Jun 2018 – Jul 2019

- Deployed perimeter network security using enterprise firewalls; executed server hardening and remediated vulnerabilities identified in quarterly audits.

Flash Forge Pvt. Ltd. | *Desktop & Network Engineer*

Visakhapatnam, India | Apr 2017 – May 2018

- Managed 100+ enterprise endpoints with secure configuration and patching; maintained 99.9% network uptime across LAN/WAN/VPN infrastructure.

CERTIFICATIONS

- CCNA & CCNP | MCSE
- CEH – Certified Ethical Hacker
- PCNSE – Palo Alto Certified Network Security Engineer
- GenAI Cybersecurity: OWASP Top 10 & MITRE ATLAS (Udemy)
- ISO/IEC 27001:2022 Lead Auditor – Mastermind
- GRC (Governance, Risk & Compliance) – LinkedIn Learning
- AWS Certified Solutions Architect – Associate
- AWS Certified Advanced Networking – Specialty (In Progress)
- Project Management Program (PMP) (In Progress)

EDUCATION

M.Sc. Electronics Science (Networking) — GITAM University, Visakhapatnam

B.Sc. Electronics — Aditya Degree College, Visakhapatnam

ACHIEVEMENTS

- Certificate of Appreciation — Bug Bounty Program, Mitigater Tech Secure Pvt. Ltd.
- C3SA Premium Edition — Cyberwarfare Labs