Bharath Raju Subramani

Cybersecurity Engineering | Network Security | Infrastructure & AI Security

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Cybersecurity postgraduate from Macquarie University with over three years of professional experience in enterprise network engineering, network security and infrastructure operations across Australia and India. Delivered 20+ enterprise infrastructure assignments and maintained networks for approximately 100 employees. Experienced in firewall administration, SD-WAN migrations, secure network deployments and infrastructure troubleshooting, with practical project experience in vulnerability assessment, penetration testing, security architecture, security control validation and agentic AI security. Seeking to contribute to the implementation, automation and continuous improvement of enterprise security infrastructure.

WORK EXPERIENCE

Field Network Engineer 05/2026 – Present | Sydney, NSW
ENbridge IT Services

- Delivered 20+ enterprise infrastructure assignments across banking, government, retail and corporate environments, including SD-WAN migrations, network deployments and circuit upgrades.
- Installed, migrated and troubleshot Cisco ISR, HPE Aruba EdgeConnect and VMware VeloCloud infrastructure, supporting secure connectivity and service continuity.
- Identified and resolved an asset serial number discrepancy during infrastructure decommissioning, preventing the potential removal of incorrect network equipment.
- Coordinated independently with remote engineering teams, AT&T DTAC and client stakeholders to resolve technical issues, perform secure device resets and complete project deliverables.

Network Engineer 09/2021 – 06/2024 | Bengaluru, India
VNews24 Kannada

- Maintained network and server infrastructure supporting approximately 100 employees, 150 computers and 8 Windows Servers, ensuring reliable broadcast operations.
- Administered Cisco firewalls, routers, switches and load balancer infrastructure, supporting network security and service availability.
- Resolved connectivity issues, hardware faults and network performance problems, minimising operational disruptions.
- Collaborated within a 2-member technical team to deliver hardware replacements, firmware upgrades and infrastructure improvements, strengthening security and business continuity.

Sales Executive 08/2014 – 04/2017 | Bengaluru, India
TVS – Prakruthi Mobikes

- Achieved 100% of monthly sales targets while acquiring new customers through product consultations and customer engagement.
- Collaborated within an 8-member team to resolve customer enquiries, improve service delivery and maintain positive customer feedback.

EDUCATION

Master of Information Technology – Cyber Security 2025 – 2026 | Sydney, Australia
Macquarie University

Bachelor of Technology – Computer Science 2017 – 2021 | India
Himalayan University

CERTIFICATIONS & TRAINING

- Certified Ethical Hacker (CEH)
- Python Pro Bootcamp
- Cisco Certified Network Associate (CCNA)
- Full-Stack Web Development Bootcamp
- Google Cybersecurity Professional Certificate
- Java Programming

TECHNICAL & PROFESSIONAL SKILLS

Network Security: Firewall Administration, Access Control, Network Segmentation, Security Patching, Secure Device Decommissioning

Enterprise Technologies: Cisco Firewalls, Cisco ISR, Cisco Switches, HPE Aruba EdgeConnect, VMware VeloCloud, Windows Server

Networking: SD-WAN, Routing & Switching, Network Troubleshooting, TCP/IP, LAN/WAN, VLANs, Subnetting, DNS, DHCP, VPNs, Load Balancing

Security Engineering & Testing: Security Architecture, Vulnerability Assessment, Penetration Testing, Threat Modelling, Cryptography, Kali Linux, Wireshark, Nessus, Nmap, Burp Suite, Metasploit

Programming & Platforms: Python, SQL, Linux, Git, Docker, VMware, PostgreSQL, REST APIs

AI Security: Agentic AI Security, LLM Security, Prompt Injection, Tool Authorisation, Security Guardrails

Security Operations & Frameworks: Incident Response, Threat Intelligence, Log Analysis, Security Monitoring, SIEM Fundamentals, Risk Assessment, MITRE ATT&CK, NIST CSF 2.0, NIST SP 800-61

Professional Skills: Team Collaboration, Project Delivery, Client Relationship Management, Stakeholder Communication, Risk Awareness, Issue Escalation, Problem-Solving, Technical Documentation

SELECTED CYBERSECURITY PROJECTS

EdgeClosure – B2B Network Security Platform 2026 – Present

Independent Project | Planning & Architecture

- Designing an evidence-based platform for enterprise network security assessment, security control validation and remediation verification.
- Defining architecture for read-only network data collection, deterministic security decisions, cryptographic evidence verification and auditable security workflows.

AgentOne – Agentic AI Penetration Testing 2026

Macquarie University | Major Project

- Collaborated in developing an agentic AI security prototype incorporating policy enforcement, tool authorisation and safeguards against indirect prompt injection.
- Evaluated security controls through two documented demonstrations; the adversarial unauthorised action was blocked, but the legitimate summary task failed, identifying a limitation in task execution.

Cyber Incident Investigation & Response 2026

Macquarie University | Simulated Incident Investigation

- Analysed authentication logs and audit records to reconstruct a simulated infostealer-driven account takeover and identify potential exposure of approximately 41,200 candidate profiles.
- Developed an incident response plan covering containment, recovery, evidence preservation, coordination and Australian regulatory obligations.

Additional projects & research: bharathraju.is-a.dev

LEADERSHIP & PROFESSIONAL ACTIVITIES

- Participated in Capture the Flag challenges, cybersecurity research, technical presentations and collaborative security projects.
- Coordinated academic and technical events, managing team responsibilities, schedules, logistics and stakeholder communication.