

Naga Vignesh Marneni

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Skills

- **Networking Skills:** Networking Protocols, Cisco Networking, Network Security, VLAN, OSPF, SD-WAN, ACL-Config, Network Access-, Virtualization, Network Cabeling, Access point Config
- **Cybersecurity Skills:** Cybersecurity Fundamentals, System Administration, CIA Triad, OWASP TOP 10
- **Web application Skills:** HTML, CSS, Bootstrap, SQL, Website Deployment
- **Offensive Security Tools:** Nmap, Metasploit, SQL Injection, Burpsuite, Cryptography, Privilage Escallation, OSINT
- **Defensive Security Tools:** Digital Forensic Fundamentals, Incident Response Fundamentals, Wireshark, Splunk
- **Programming Languages:** Python, Bash, SQL
- **DevOps Skills:** Git, Docker, Jenkins, AWS Fundamentals (EC2, S3, IAM, Route 53)

Work Experience

Jhaishna Technologies

Aug 2022 - May 2024

Systems Engineer

Worked as an Oracle ASAP developer, responsible for monitoring, supporting, and maintaining telecom provisioning systems. Handled end-to-end order lifecycle management for ISP and CATV services, ensured system stability during production shifts, resolved provisioning failures, and coordinated with support teams to maintain uninterrupted service delivery.

- Supported Oracle ASAP provisioning for ISP and CATV services by monitoring, clearing, and resolving in-progress and failed orders across production environments; performed SARM, NEP, JVM, and server bounces, which restored provisioning flows and reduced order-backlog delays
- Collaborated with L1 and NOC teams to troubleshoot incidents, retrack jobs, and minimize service impact. Demonstrated strong understanding of network-driven service provisioning, backend system dependencies, and production support workflows.
- Conducted comprehensive testing on network elements for Oracle ASAP applications; documented findings to guide adjustments, leading to increased reliability by reducing downtime incidents from two per month to zero during critical periods.
- Managed order lifecycle security and data integrity by validating order states, correcting inconsistent records, and preventing orphaned or stuck transactions.

Projects

DOCKERIZED WEB APPLICATION

- Established a comprehensive CI/CD framework using AWS to automate web application deployments; streamlined code updates reduced integration errors to less than one per month during peak operation periods.
- Arranged system stability through the strategic implementation of containerization principles via Docker alongside robust pipeline management with Jenkins; findings directly addressed three major sources of operational failures over six months.
- Applied secure deployment practices by reducing configuration drift, improving repeatability, and minimizing human error.

MISSION-PUMPKIN vlc pumpkin Festival

- Designed and deployed a deliberately vulnerable web application to simulate real-world attack scenarios aligned with OWASP Top 10 risks.
- Performed offensive security testing using Nmap, Hydra, brute-force techniques, and manual exploitation workflows.
- Utilized brute force techniques to analyze password strength and identify weak access points, emphasizing the importance of robust security measures.

Scalable Multi-City Enterprise Network

Nov 2024 - Dec 2024

- Engineered a multi-city network linking Glassboro, Gloucester, and Atlantic City via Frame Relay technology; enhanced system scalability and reliability for seamless communication across three distinct locations.
- Implemented DHCP and DNS services to automate IP address allocation for 100+ devices and achieve 100% accuracy in name resolution across the network. Designed for high availability, fault tolerance, and secure inter-site communication.
- Established a centralized HTTP and FTP service across five major cities, enhancing inter-city connectivity by facilitating secure data transfer and access for over 200 remote users daily.

Certifications

- **Comptia Network+ N10-009:**credly.com/users/naga-vignesh-marneni/
- **Microsoft SC-900:**credly.com/users/naga-vignesh-marneni/
- **Comptia Security+ (SYO-701):**credly.com/users/naga-vignesh-marneni/
- **Cisco CCNA 200-301:**credly.com/users/vignesh-marneni
- **Microsoft Azure AZ-900**

Achievements

- **National Cyber League (NCL) Spring 2025:**Secured a national top 4% rank (316 out of 8,575) awarded the prestigious Diamond-2 Medal for exceptional individual performance.

Education

Rowan University

Aug 2024 - Present

Master of Science, Computer Science

- **GPA:** 3.8/4.0