YADHUKRISHNAN MANIKKATH MANIKANDAN

NETWORK AND SECURITY ENGINEER

| +971 547560772 | yadhumanikandan0@gmail.com | Qusais, Dubai | LinkedIn | GitHub |

PROFILE

Dynamic and detail-oriented Network & Security Engineer with hands-on experience in Linux system administration, AWS cloud infrastructure, and enterprise network security. Skilled in configuring and troubleshooting Cisco routers/switches, VLANs, routing protocols, and firewall solutions. Experienced in implementing secure architectures, intrusion detection, and user access management, with a strong foundation in cybersecurity practices. Proficient in deploying and maintaining AWS services (EC2, VPC, IAM, S3), Docker environments, and CI/CD pipelines while ensuring compliance and resilience. Seeking to contribute expertise in network administration and cybersecurity to safeguard and optimize enterprise IT environments.

PROFESSIONAL EXPERIENCE

JUNIOR SYSTEM ADMINISTRATOR

SDC Networks – August 2024 – September 2025

- Administered Linux and Windows servers: system updates, security patching, performance tuning
- Managed AWS infrastructure: EC2, S3, IAM, VPC, ensuring secure and scalable deployments
- Deployed and maintained VMware ESXi virtualization environments
- Automated system administration tasks using shell scripting for operational efficiency
- Implemented CI/CD pipelines using GitHub Actions for streamlined workflows
- Configured and secured Nginx and Gunicorn for production web hosting
- Deployed and managed Docker containers for application development and testing
- Handled user access control, permission management, and account provisioning
- Installed, configured, and troubleshot Cisco routers and switches
- Performed network configuration: IP addressing, VLAN setup, routing protocols
- Monitored network and system performance, detecting intrusions and resolving incidents
- Applied cybersecurity best practices: regular audits, intrusion detection, incident prevention
- Collaborated with development teams to troubleshoot infrastructure issues
- Used Git and GitHub for version control and cross-team collaboration

TECHNICAL SKILLS

- Cloud Platforms: Amazon Web Services (AWS) - EC2, S3, IAM, VPC, Route 53, CloudWatch, CloudTrail | Network & Security: Security Groups, NACLs, AWS WAF, CloudTrail Logging
- Operating Systems & Virtualization: Linux (Ubuntu, CentOS), Windows Server Administration | VMware ESXi, Hyper-V Virtualization
- Networking: Cisco Routers & Switches, TCP/IP, VLAN, STP, IP Addressing & Subnetting | Routing Protocols (Static, OSPF, EIGRP), Network Monitoring & Troubleshooting
- Security Tools & Practices: Firewall Configuration, Intrusion Detection/Prevention Systems (IDS/IPS) | Vulnerability Assessment, SIEM, OWASP Top 10, Security Hardening
- Web & Frameworks: Python, Django, HTML5, CSS3, JavaScript, Bootstrap
- DevOps & Automation: Docker, CI/CD Pipelines, GitHub Actions, Git, GitHub | Shell Scripting (Bash, PowerShell) for Automation
- Infrastructure & Web Servers: Nginx, Gunicorn, Apache | Server Configuration, Hardening, and Performance Tuning
- Databases: MySQL, PostgreSQL, SQLite | Database Security & Access Control

PROFESSIONAL SKILLS

- Problem Solving and Troubleshooting
- Cross-functional Collaboration
- Technical Documentation
- Time Management & Prioritization
- Attention to Detail
- Adaptability & Continuous Learning
- Process Improvement

EDUCATION & CERTIFICATION

Bachelor of Science (B.Sc.) in Cyber Forensics | School of Technology and Applied Sciences, Edappally | 2021 – 2024

AWS Certified Solutions Architect – Associate | Issued by Amazon Web Services

PROJECT

www.musiciantheory.com – Full Stack Django Project

Built and deployed a Django-based educational platform independently. Integrated

Google Sign-In using Django AllAuth.

Developed custom dashboards and responsive front-end interface.

Hosted on AWS EC2, using Nginx and Gunicorn for production deployment. Used

MySQL for live data, Docker for local development.

Implemented CI/CD using GitHub Actions with auto-deploy workflows. Managed

DNS and domain routing via AWS Route 53.

Cisco CCNA (Training Completed, 2023)

LANGUAGES

English | Malayalam |