

# John Moses F

Chennai, Tamil Nadu | [fjohnmoses2003@gmail.com](mailto:fjohnmoses2003@gmail.com) | +91 7448923313 |

[linkedin.com/in/johnmosesf](https://www.linkedin.com/in/johnmosesf) | <https://johnmosesf.github.io/>

## PROFESSIONAL SUMMARY

---

Entry-Level **Network & Cloud Engineer** with strong fundamentals in TCP/IP, OSI model, routing, switching, VLANs, and network troubleshooting. Hands-on experience in **AWS infrastructure, Linux administration, and CI/CD automation**. Skilled in performing Root Cause Analysis (RCA) and restoring network connectivity in lab-based environments. Seeking to contribute to enterprise network operations and service assurance teams.

## TECHNICAL SKILLS

---

### Systems & Networking:

- *Networking*: TCP/IP, OSI Model, IP Addressing & Subnetting, VLAN, Routing Basics, DNS, Network Troubleshooting, Packet Flow Analysis
- *Operating System*: Linux (Ubuntu/CentOS), Windows

### Cloud Platforms:

- *Amazon Web Services (AWS)*: EC2, VPC, IAM, S3, RDS, CloudWatch
- *Cloud Deployment*: Load Balancing, Auto Scaling

### DevOps & Automation:

- *CI/CD*: GitHub Actions, Jenkins (basics)
- *Containerization*: Docker (Images, Containers), Docker Compose
- *IaC tool*: Terraform (basics)

### Programming & Tools:

- Python (Basics), Bash, YAML, JSON
- MySQL, Git

## PROJECTS

---

### Enterprise Branch Network Design & Troubleshooting

*Technologies: Cisco Packet Tracer, TCP/IP, VLAN, Subnetting, Routing, DNS*

- Designed enterprise branch network topology with structured IP addressing plan
- Configured VLAN segmentation and inter-VLAN routing
- Implemented router and switch configurations in lab environment
- Simulated network failures and analyzed connectivity issues
- Applied OSI layer-based troubleshooting methodology
- Identified root cause of misconfigurations and restored connectivity

### Cloud-Based Web Application Deployment using AWS & Docker -

*Technologies: AWS EC2, Docker, GitHub Actions, Flask, Terraform*

- Deployed containerized Flask application on AWS EC2 instance
- Provisioned infrastructure using Terraform (EC2, Security Groups, VPC configuration)
- Implemented CI/CD pipeline using GitHub Actions for automated build and deployment
- Configured Docker image creation and container lifecycle management
- Ensured application availability and secure access through proper port and firewall configuration

## **Blockchain-Based Smart Monitoring Framework for Defence Industry**

***Technologies: Python, Flask, SQLite, Blockchain tools***

- Developed secure monitoring system with blockchain-based tamper-proof logging
- Implemented backend APIs using Flask for real-time data recording
- Integrated SQLite database for structured data storage
- Designed logic for secure data validation and transaction tracking

## **EDUCATION**

---

**Master of Computer Application (MCA) – 74%**

06/2023 – 05/2025

**Alagappa University, Karaikudi, Sivagangai, Tamil Nadu**

**Bachelor of Computer Science (BSc) – 74%**

06/2020 – 05/2023

**Arumugam Pillai Seethai Ammal College, Thirupathur, Sivagangai, Tamil Nadu**

## **TRAINING & CERTIFICATIONS**

---

**Cloud Computing & DevOps Training — Besant Technologies (2025)**

**AWS Cloud Practitioner — In Progress**

**DevOps Certification — Programming Hub (2025)**

**Blockchain Technology Internship — Fantasy Solution (2025)**