

Jowin John Chemban

Systems/Network Engineer | Cloud | Security

Email : jowinchemban@gmail.com

Phone : +91 9497554475

LinkedIn : www.linkedin.com/in/jowinjohnchemban

GitHub : www.github.com/jowinjohnchemban



Myself, IT Professional with expertise in systems and networks and cloud technologies focused in security and automation. Proven track record in large-scale IT projects, development, troubleshooting, support and management. Proficient in optimizing systems/network performance and programming. Knowledgeable in AI/ML, GenAI Prompting, Electronics, Security, IT and Cyber Forensics. Committed to innovations and achieving success.

EDUCATION

B.Tech, Computer Science Engineering
APJ Abdul Kalam Technological University
2016 – 2020

Higer Secondary School
CBSE
2014 – 2016

High School (10th)
CBSE
2013 – 2014

CERTIFICATIONS

- Google Cloud Certified - CDL
- Fortinet Certified Associate in Cybersecurity
- ISC2 Certified in Cybersecurity
- Google Certified IT Support Professional
- ICSI Certified Network Security Specialist
- cPanel Professional (CPP) (T299)
- Zyxel Certified Network Associate (ZCNA)
- Juniper Open Learning – JNCIA Junos

SKILLS

- **Operating Systems**: Windows, Linux
- **Virtualization & Cloud**: VMware, GCP, Docker, Monitoring & Optimization, Setup
- **Networking**: WLAN, LAN, WAN, VLAN, VPN, SDWAN, Gateway, TCP/IP, Load Balancing, Configuration, Subnets, OSPF, BGP, SNMP, Ports, Troubleshooting, NMS
- **Security**: NGFW, SecOps, Audits, IDS, IR, Awareness, Firewalls, Enumeration, Report
- **Systems**: Servers, Workstations, Control, Automation, CI/CD, Electronics, Git, NAS, Backup, Storage, cPanel, EMS, WHMCS, Billing, Documentation, Support, Testing
- **Soft Skills**: Leadership, Team Player, Quick Learner, Analytical Thinking, Research, Ethical, Adaptability, Decision making, Helping, Positive mindset, Communication
- **Proficiency**: C/C++, Python, Open Source, MS Office, Hardware, Electronics, Design, bash/cmd, Photoshop, Sec Tools, Data

EXPERIENCE

- **Engineer** 08/2023 – 05/2024
KFON (Kerala Fiber Optic Network Limited)
 - ✓ Involved in district operations of ISP network.
 - ✓ Supervised and ensured infrastructure quality and performance for seamless connectivity.
 - ✓ Tested/troubleshooted systems and network devices (Juniper MX204, MX480, Tejas OLT/ONT, CISCO RV340W, tplink ER605, routers, switches).
 - ✓ Worked in configuring, troubleshooting and deploying of systems/network infrastructures.
 - ✓ Participated in technical committee meetings.
 - ✓ Conducted on-site inspections and surveys.
 - ✓ Managed and performed migration and optimization of government office network setups.
 - ✓ Tech stack: traceroute, WLAN, LAN, VLAN, IP, MPLS, Gateway, WAN, Firewall, Load Balancing.
- **Research Intern** 07/2022 – 12/2022
Qkrishi Quantum Private Limited
 - ✓ Involved quantum technology research and contributed to an IEEE publication.
 - ✓ Enhanced and optimized the project using appropriate technology integrations.
 - ✓ Tech stack: HTML, CSS, JavaScript, Git, VR/AR libraries, Photoshop and 3D models.
- **L1 Server Engineer** 07/2020 – 10/2021
HashRoot Technologies Private Limited
 - ✓ Managed/setup Windows, UNIX/Linux, VM servers and troubleshoot issues promptly.
 - ✓ Configured services, licenses, and implemented backup solutions, executed migrations as required.
 - ✓ Provided customer support through tickets, ensuring prompt resolution of issues, monitored and ensured 24/7 service uptime.
 - ✓ Handled users, licenses/subscriptions, billing system, payments and executed corn jobs/tasks.
 - ✓ Actively participated in meetings to enhance services, security and improve processes.
 - ✓ Tech stack: Windows, Linux, RAID, cPanel, VPN, Support, WHMCS, Storage, Backup, Data Center

PROJECTS & COURSES

- **Messenger project developed in C++**

Developed a messenger application to facilitate communication between systems in a LAN using text messages. The project was implemented using the file handling, TCP/IP, LAN protocols in C++.

- **Smart Online Shopping System – Design Project**

Created an efficient online shopping system as part of the B.Tech 5th semester Design Project. The system gathered and compared product information and prices from multiple websites, streamlining the process of finding the best deals for users.

- **Website for College Techfest**

Developed and deployed PHP backend and admin panel for the college techfest. The website included features for event registration, advertisements, schedules, and detailed event information using web technologies like HTML, CSS, JavaScript, SEO server-side pdf rendering.

- **Intelligent Traffic Light Cycle Control using Deep Reinforcement Learning**

Designed and implemented an intelligent traffic light management system for B.Tech Final Year Project. The system used deep reinforcement learning to dynamically adjust traffic light durations based on real-time traffic conditions, aimed at reducing delays during high traffic scenarios and special events.

- **Internship in Information Security – Threats and Solutions**

- **Machine Learning with Python – IBM**

- **Introduction to Internet of Things (XEE100-008) – Stanford Center for Professional Development**

DECLARATION

I do hereby declare that the information and facts stated are true, correct and complete to the best of my knowledge and belief.

Jowin John Chemban