

Hilda Noueihed

IT & Software Development | Network Engineering

Beirut, Lebanon | +961 70087289 | hilda.noueihed99@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Proficient in Java, Python, and C++ with experience in full-stack projects and software development. Skilled in 4G/5G testing, VoLTE troubleshooting, AI integration, and IoT solutions with proven results in optimizing infrastructure and security.

TECHNICAL SKILLS

Networking: TCP/IP, LAN/WAN, Wi-Fi, LTE/VoLTE, 4G/5G, VPN, Routing & Switching, Firewalls, Network Security

Tools & Systems: Cisco (CCNA 1), TEMS, OMNeT++, SUMO, Docker, Git, Excel (Pivot)

Servers & Cloud: Windows & Linux administration, IBM Cloud, Azure (basic)

Programming: Python, Java, Data Structures, Algorithms, HTML/CSS, JavaScript

PROFESSIONAL EXPERIENCE

Alfa

Telecommunications Engineer Intern

Apr 2023 - June 2023

- Troubleshoot **200 VoLTE call drops** across 4G networks, including inter-RAT handovers, ensuring service stability.
- Performed performance tests, identified bottlenecks and enhanced to improvements across **20 sites**.
- Monitored security events and responded to **30 cases**, strengthening access control.
- Delivered technical support to users, resolved connectivity issues, and boosted utilization by **34%**.
- Contributed to VoLTE implementation by executing compatibility testing for **500 users** and network devices.

Powertech IPT

IT & Network Engineer Intern

Nov 2021 - Feb 2022

- Maintained smart IT systems across **100 field sites**, conducted diagnostics, and ensured uptime.
- Implemented security protocols and site access control, contributing to a **41%** reduction in network breaches.
- Configured smart meters and integrated sensors to track usage and optimize system efficiency.
- Provided technical support to **115 users daily**, resolving issues with a **98%** satisfaction rate.
- Enhanced network performance improvement by reducing latency **17%** and improving throughput **12%**.

PROJECT

Vehicular Network Simulation (Master Thesis)

- Developed and executed real-time vehicle network simulations using SUMO and OMNeT++, evaluating emergency response routing performance.
- Produced technical documentation and recommendations, achieving a score above **90** from the evaluation panel.

Research Paper Sponsored by Joun Technologies

- Authored a paper on 5G network challenges in smart cities, healthcare, and autonomous driving, with emphasis on AI integration for network optimization.
- Conducted market analysis on AI-driven network procurement trends for future 6G development.

IBM Full Stack Software Developer Certificate Projects (Ongoing)

- Building full-stack applications with JavaScript, Node.js, React, Python, and Django, including deployment on IBM Cloud with Docker.

EDUCATION

Art, Science & Technology University of Lebanon

Master of Science in Computer Communication Engineering.

2022 - 2024

Art, Science & Technology University of Lebanon

Bachelor of Science in Computer Communication Engineering.

2017 - 2022

CERTIFICATION

IBM Full Stack Software Developer Professional Certificate, Coursera, 2025

In Progress

Cisco Network Academy for CCNA 1 (Cisco Certified Network Associate)

October 21, 2023

LANGUAGES

English (Fluent) | Spanish (Native) | Arabic (Intermediate)