

# MOHAMMAD ALMAAITA

## Network Engineer | Communications & Computer Engineer

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Amman, Jordan

### EXPERIENCE

#### Technical Projects

##### Design of Battery Logging System using IoT– Project Lead ExelX battery-monitor

10/2024 06/2025 Amman, Jordan

- Developed a real-time battery monitoring system using Raspberry Pi + Flask API.
- Built a Next.js dashboard to display live voltage readings and alerts for critical levels.
- Stored data in Firebase/MariaDB for analysis and reporting.
- Networking: Data transmitted securely via REST/SSE for remote monitoring over LAN/Cloud.

##### Hybrid Renewable Energy Simulator Solarwind-sim

7/2025 09/2025 Amman, Jordan

- Designed a hybrid solar-wind simulator using Next.js (frontend) and Flask (backend).
- Allowed users to set conditions (sunlight, wind speed) and get instant simulation results.
- Added dynamic charts and models to visualize energy generation scenarios.
- Networking: Client-server communication over REST/SSE, with multi-user access via LAN/Cloud.

##### IoT-Based Energy Monitoring System PowerTPowerX

7/2025 08/2025 Amman, Jordan

- Created an IoT-based dashboard for monitoring battery and power status.
- Integrated sensors to measure voltage, current, SoC, and temperature in real time.
- Linked the system with Firebase/SQL for scalable data storage and analytics.
- Networking: Communication handled with MQTT/HTTP protocols + TLS/SSL encryption for secure remote access.

### EDUCATION

#### Bachelor's Degree in Communications & Computer Engineering

##### Al-Zaytoonah University of Jordan

09/2022 07/2025 Amman, Jordan

- Focused on IoT systems, embedded hardware, full-stack development, and computer networks (routing, switching, and network security).

#### Diploma in Communications & Computer Networks Engineering

##### Balqa Applied University

09/2019 08/2021 Jordan

- Covered network infrastructure, switching & routing (CCNA), and systems
- Administration

### LANGUAGES

Arabic Native English Good

### SUMMARY

Junior Network Engineer and recent graduate with a strong foundation in enterprise networking (CCNA, CompTIA Network+, Fortinet NSE – in progress). Skilled in configuring and troubleshooting LAN/WAN, VLANs, routing, and firewalls, and experienced with network simulation tools (Cisco Packet Tracer). Passionate about network security, cloud networking (AWS), and automation using Python/Ansible(basic), with hands-on academic and project experience integrating IoT systems and cloud services. Eager to apply innovative solutions, grow within dynamic teams, and contribute to building secure, scalable, and future-ready network infrastructures.

### TRAINING / COURSES

- CCNA Cisco (Cisco Packet Tracer)
- Full Stack (Python Flask, React, Next.js)
- Flutter Development
- CompTIA Network+
- AWS Artificial Intelligence Practitioner Learning Plan

### SKILLS

#### Networking & Security

- CCNA (Routing & Switching)
- Cisco Packet Tracer, EVE-NG
- VLANs, OSPF, ACLs, VPNs, Firewalls
- Wireshark (Traffic Analysis)
- Network Design & Documentation (Visio)

#### Virtualization & Systems

- VMware, VirtualBox
- Linux (Administration & Scripting)

#### Programming & Automation

- Python (Automation & Scripting)
- AI & Automation (Applied in Networking & IoT)

#### Web & App Development

- Flask, React, Next.js, Flutter
- HTML, CSS, JavaScript, Dart
- Git, GitHub

#### Databases & Cloud

- MariaDB, SQL
- Firebase, AWS

#### Embedded & IoT

- IoT Systems Integration
- Embedded Systems (Raspberry Pi, Sensors)
- MATLAB (Modeling & Simulation)