

Hashem Alkhanaizi

Network Engineering

+973 36993788 · hashemalkhanizi@gmail.com · [linkedin.com/in/hashem](https://www.linkedin.com/in/hashem) · github.com/Alkhanizi-hashem

Professional Summary

Network Engineering student with a strong foundation in networking systems, socket programming, and network automation. Experienced in enterprise banking IT environments through hands-on training, with practical exposure to system analysis and technical documentation. Skilled in automating network tasks using Python and Bash to improve efficiency and reduce manual operations. Proven ability to deliver in team environments — awarded 1st Place for Best Innovative & ESG Project during professional training. Seeking a junior network engineering or IT role to apply technical knowledge and contribute to real-world infrastructure solutions.

Technical Skills

Languages: JavaScript / TypeScript, Golang, Java, C++, Python, PHP

Frontend : React.js, Next.js, Tailwind CSS , pure CSS

Backend: Node.js, Golang, PHP, REST API design, GraphQL, WebSockets

Databases: MySQL, SQLite, phpMyAdmin

Tools & Platforms: Git, Docker, Postman, Figma, JWT Authentication, Routing-Switching, Linux

Testing & Methods: Unit Testing, Integration Testing, Agile / Scrum

Languages spoken: Arabic (Native), English (Fluent)

Work Experience

IT Architecture Trainee · Alsalam Bank — Bahrain Jul 2025 – Sep 2025

- Completed hands-on training in IT Architecture, gaining exposure to enterprise banking systems, system analysis, and technical documentation.
- Collaborated with a trainee team on an ESG-focused innovation project.
- Awarded **1st Place — Best Innovative & ESG Project** among all trainee teams.

Full Stack Development Projects · Reboot01 Institute — Bahrain Aug 2024 – present

- Built real-life full-stack projects including real-time web applications using WebSockets and dynamic websites.
 - Gained hands-on experience across both front-end and back-end technologies.
-

Certificates

- **Web Application Security Testing with OWASP ZAP Coursera** Nov 2025
Credential ID: 7CDKYF0DY9FN
 - **Metasploit for Beginners: Ethical Penetration Testing** Oct 2025
Credential ID: M4B3BEQT11UH
 - **Machine Learning Introduction for Everyone IBM (Coursera)** Sep 2025
-

Projects

Smart Wi-fi Motion Detection

- Designed and implemented a Wi-Fi-based indoor human presence detection system that uses Channel State Information (CSI) to identify motion and occupancy in real time without cameras or wearable devices. Engineered the system using an ESP32-S3 as the sensing receiver, a Python backend for CSI parsing, filtering, and detection, and a live dashboard for real-time visualization of presence status and signal behavior.
- Improved detection stability through signal processing techniques such as Hampel filtering and PCA-subspace denoising, with detection logic based on amplitude, phase, and baseline signal changes.

Stack: ESP32-S3, C, Python, UDP, Wi-Fi CSI, Flask, HTML/CSS/JavaScript, PCA Denoising, Machine Learning

GraphQL Student Profile Dashboard

- Built a single-page web application that authenticates users via JWT and displays personal academic progress data — XP earned, audit ratios, and skill breakdowns — sourced from the Reboot01 platform's GraphQL API.
- Implemented three custom interactive SVG data visualizations (XP line chart, audit ratio bar chart, skills radar chart) with hover tooltips and responsive layout, using no external charting libraries.

Stack: JavaScript, HTML, CSS, GraphQL, JWT Authentication, SVG, Vercel

NetCat — TCP Group Chat Server

- Developed a concurrent TCP group chat server in Go where multiple clients connect simultaneously, with all messages broadcast to every active user in real time.
- Implemented a goroutine-per-client concurrency model with connection management, username registration, message timestamping, and graceful disconnection handling.

Stack: Golang, TCP/IP Networking, Goroutines, Concurrency

Education

B.Sc. in Network Engineering · University of Bahrain

Sep 2022 – Jun 2026

Diploma in fullstack developer & cybersecurity, · Reboot Coding Institute

Aug 2024 – Present

Volunteer & Community

Start Up Participate · StartUP Bahrain — UOB Edition

May 2026

- Supported preparation and logistics for a major startup event at the University of Bahrain.