

HOUSSAM AL BENNI

JUNIOR SOFTWARE ENGINEER

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SUMMARY

Computer Science graduate with strong foundations in software engineering and hands-on experience in full-stack web development using the MERN stack. Built scalable and user-focused applications integrating APIs, databases, authentication systems, and responsive UI/UX design. Familiar with Linux environments, Git version control, and cloud fundamentals through AWS certifications and academic projects. Quick learner with strong problem-solving skills, teamwork experience, and a passion for learning modern technologies and development workflows.

TECHNICAL SKILLS

Frontend: React.js, Next.js, JavaScript, HTML5, CSS3, Responsive UI Design

Backend: Node.js, Express.js, RESTful API Development, Authentication (JWT)

Databases: MongoDB, PostgreSQL, Mongoose, Oracle, MySQL

programming languages: python, Java, JavaScript, C#, C++, C, Prolog ,Assembly, PHP

Cloud & DevOps Fundamentals:AWS Cloud Fundamentals, Linux , CI/CD , Git & GitHub

Networking: Strong knowledge of CCNA 1–3 concepts, including Network Fundamentals, Routing & Switching, VLAN Segmentation, Inter-VLAN Routing, OSPF (Single & Multi-Area), DHCP, VLSM, Subnetting, Firewall, DMZ , Traffic Engineering Troubleshooting.

Other: Jira, Postman, OOP, Design Patterns ,Problem-solving, Agile Development, API Testing, Team Collaboration

Soft Skills: Problem Solving, Team Collaboration, Fast Learning, Communication Skills, Analytical Thinking

PROFESSIONAL EXPERIENCE

Multiplayer 400 Card Game — Java RMI

May 2026 - May 2026

- Built a distributed multiplayer card game using Java RMI with client-server architecture.
- Implemented lobby/room management, synchronized game sessions, and real-time RMI callbacks.
- Developed server-side logic for bidding, trump selection, turn validation, trick evaluation, and scoring.
- Managed concurrency, player disconnections, invalid moves, chat, and server-authoritative game state

Humanitarian Support Platform

Apr 2026 - May 2026

Internship TechTalks - Remote

<https://techtalks-hope-link-client.vercel.app>

- Designed and developed a scalable humanitarian support platform connecting refugees, NGOs, donors, and shelters in one centralized ecosystem.
- Built multi-role authentication and access control for refugees, NGOs, donors, and administrators.
- Implemented aid request workflows, donation matching, and case tracking systems.
- Integrated location-based shelter finder using maps and proximity search.
- Developed real-time notifications and status updates using Socket.io.
- Created admin dashboards for monitoring requests, shelter capacity, and aid distribution.
- Implemented secure document upload and profile verification workflows.
- Built responsive frontend using React.js and scalable backend APIs using Node.js, Express.js, and MongoDB.

Sa3ati — Luxury Watch E-Commerce Platform

Feb 2026 - Mar 2026 || sa3ati-watch.com

- Developed a production-ready luxury e-commerce platform using MongoDB, Express.js, React.js, and Node.js.
- Implemented secure authentication using JWT access & refresh tokens with role-based access control.
- Built advanced product catalog with filtering, search, sorting, pagination, and related recommendations.
- Designed admin dashboard with analytics, product/order management, and stock control.
- Integrated Cloudinary for scalable image uploads and media management.
- Applied security best practices including rate limiting, Helmet, input validation, and protected routes.

Multi-Campus Network Design Project

Mar 2026 - Mar 2026

- Designed and simulated a secure multi-campus enterprise network using Cisco Packet Tracer.
- Implemented VLSM subnetting, VLAN segmentation, and inter-VLAN routing.
- Configured Multi-Area OSPF for scalable dynamic routing.
- Deployed DHCP services for automated IP address allocation.
- Designed a DMZ zone protected by a Cisco ASA 5505 Firewall.
- Applied traffic engineering concepts (QoS/PBR concepts) to prioritize administrative traffic.
- Enhanced network security, scalability, and performance following Cisco best practices.

Smart IoT Monitoring & Automation System — ESP32

Mar 2026 - Mar 2026

- Built an IoT monitoring and automation system using ESP32, sensors, actuators, and MQTT communication.
- Integrated DHT11 temperature/humidity sensor, LDR light sensor, LCD display, servo motor, LEDs, and active buzzer.
- Implemented real-time data publishing from ESP32 to MQTT broker and processed device data using Node-RED flows.
- Stored sensor readings in InfluxDB and created Grafana dashboards for live visualization and monitoring.
- Developed automation rules for temperature alerts, smart lighting control, door access logic, and buzzer notifications.
- Applied IoT gateway architecture using the full pipeline: ESP32 → MQTT → Node-RED → InfluxDB → Grafana.

EDUCATION AND CERTIFICATIONS

Master of Software Engineering

Sep 2025 - In Progress

Lebanese University

AWS Certified Cloud Practitioner (CLF-C02)

Dec 2025 – Mar 2026

Amazon Web Services (AWS)

Network Technician career Path

Mar 2026 - Mar 2026

Cisco

AWS re/Start Graduate Program

Nov 2025 – Dec 2026

Amazon Web Services (AWS)

Bachelor of Computer Science

Jan 2023 – Sep 2025

Lebanese University

ADDITIONAL INFORMATION

Language

- Arabic
- English
- French