

YOUSSEF KASSAR

Beirut, Lebanon • +961 71 256 807 • ymk006@hotmail.com • [LinkedIn](#) • [Facebook](#) • [Instagram](#)

PROFESSIONAL SUMMARY

Computer and Communication Engineering B.Sc., AUL — Spring 2026, with hands-on experience in full-stack development, machine learning systems, and enterprise networking. Proven leadership as Night Supervisor / Manager on Duty at an international hotel group.

PROFESSIONAL EXPERIENCE

Night Supervisor | *Radisson Blu Martinez Hotel, Beirut* | Nov 2025 – Present

- Oversee full hotel night operations In-Charge as Manager on Duty at Radisson Blu Martinez, ensuring adherence to safety, security, and 5-star service protocols.
- Supervise and mentor the night-shift team, driving consistent service delivery and swift incident resolution.
- Conduct nightly IT checks and liaise with the IT department to maintain zero downtime on property management and network systems.
- Audit daily financial transactions and produce comprehensive reconciliation reports for senior management.

Front Office Team Lead | *Radisson Blu Verdun, Radisson Hotels Group, Beirut* | Jan 2024 – Nov 2025

- Led front-of-house operations, streamlining guest check-in/out processes and enhancing departmental coordination.
- Managed guest satisfaction metrics by resolving complex complaints and implementing proactive service recovery.

Night Auditor | *Lancaster Suites Raouche, Beirut* | 2021 – Jan 2024

- Performed end-of-day financial closures, reconciling room revenue, taxes, and secondary service charges with high accuracy.
- Identified and corrected posting errors, ensuring the integrity of the property management system (PMS) data.

TECHNICAL PROJECTS

Smart Reception Assistant — Senior Project, AUL CCE — *Python · FastAPI · YOLOv8 · FaceNet · React 18 · TypeScript* https://github.com/Y-KASSAR/smart_reception_server

- Designed and built an end-to-end AI hotel-reception platform: a Raspberry Pi 4 edge node (USB camera + PIR sensor) streams JPEG frames over HTTP to a FastAPI server running YOLOv8 person detection and MTCNN + FaceNet (512-D) face recognition, keeping all heavy ML off the thin edge device.
- Implemented guest dwell-time monitoring, multi-channel alerting (dashboard + email + SMS), and a rule-based upsell recommendation engine over a SQLAlchemy/SQLite data layer with JWT + role-based access control.
- Delivered a real-time React 18 + TypeScript + Tailwind dashboard (live WebSocket feed, alert management, guest enrollment) served by the same backend.
- Wrote a 158-test pytest suite and full IEEE-830 requirements/design documentation; deployed behind a Caddy reverse proxy for HTTPS/WSS.

Financial Controller — Personal Finance Android App — *Java · Room · WorkManager · MPAndroidChart* <https://github.com/Y-KASSAR/FinancialController>

- Built a native Android personal-finance app in Java for tracking income, expenses, category budgets, and bill reminders, with all data persisted locally via the Room database.
- Designed a normalized data layer (transactions, categories, budgets, reminders) using Room entities, DAOs, and a singleton database client.

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- Implemented spending analysis with interactive pie and bar charts (MPAndroidChart) and week/month/year filtering.
- Created a daily background job with WorkManager that posts notifications for upcoming bills based on user-selected lead times.
- Added keyword search and multi-field filtering (type, category, date range) across transaction history.

Hotel Network Deployment — IT Internship, Radisson Blu Martinez — Cisco Packet Tracer · VLANs ·

Fortinet · Aruba <https://github.com/Y-KASSAR/radisson-network-lab.git>

- Documented a 38-device multi-VLAN enterprise network (10.0.x.0/24 scheme) and built a full Cisco Packet Tracer replica for lab testing.
- Introduced VLAN 110 for POS/payment terminal segmentation, updated trunk allowed-VLAN lists, and produced IEEE-compliant network design documentation in draw.io.

EDUCATION

Arts, Sciences, and Technology University in Lebanon (AUL)

Bachelor of Science in Computer and Communication Engineering • GPA: 2.9 • Graduated Spring 2026

TECHNICAL SKILLS

Programming & Web: Java, Python, C++, JavaScript, TypeScript, React 18, HTML/CSS, REST APIs

AI / ML: YOLOv8, MTCNN, FaceNet (512-D embeddings), faster-whisper, PyTorch, OpenCV

Backend & DevOps: FastAPI, SQLAlchemy, SQLite, JWT/RBAC, pytest, Caddy, Git/GitHub, VS Code

Networking: TCP/IP, OSI Model, Routing & Switching, VLANs, Cisco Packet Tracer, Fortinet,

Tools: MATLAB, Apache NetBeans, Android Studio, ASGI/WSGI Frameworks

LEADERSHIP & ACTIVITIES

- Student Council Chair, Engineering School, AUL (2023 – 2024)
- IEEE Chairperson, AUL Branch (2023 – 2024)

CERTIFICATIONS & TRAINING

Coursera — IBM Full Stack Software Engineering Professional Certificate

- Introduction to Cloud Computing
- Introduction to Software Engineering
- Introduction to Web Development using HTML, CSS, and JavaScript
- Getting Started with Git and GitHub

Professional Development

- Developing Interpersonal Skills

SOFT SKILLS

- Strong decision-making and problem-solving abilities

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- Excellent communication and customer service skills
- Demonstrated leadership and team management
- Effective time management and multitasking capabilities

REFERENCES

Dr. Mahmoud Mehdi — Dean of Sciences, AUL | +961 3 658 064

Dr. Issa Kamar — Direct Supervisor, AUL | +961 3 798 597

Mr. Nader Ammar — Front Office Manager, Radisson Blu Verdun | +961 71 585 643

Mr. Kassem Chahine — Front Office Manager, Radisson Blu Martinez | +961 3 198 184