EL HALOUI FAHD

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in Fahd El Haloui   ⭘ Helva7

Experience

CDG Capital, Software Engineer, Intern   July 2025 – September 2025
- Developed a full-stack web app for managing *soultes* with Excel integration, streamlining financial operations.
- Implemented role-based access and optimized database queries, improving security and performance.

Moussahamati, DevOps Engineer, Intern   July 2024
- Automated deployment pipelines using Docker, Docker Compose, and Selenium to enhance delivery efficiency.
- Assisted in CI/CD setup and containerization, improving workflow reliability.

SLAMTEC, Software Engineer, Intern   July 2023
- Designed a responsive web interface and integrated GPS mapping for real-time tracking.
- Optimized system architecture, increasing performance and scalability.

Projects

Smart Check-Up IoT System — Arduino, Node-RED, MariaDB   (2024)
Developed an IoT-based access and attendance system integrating RFID, PIN authentication, and a database for secure worker check-ins. Enabled real-time access control via a dashboard for manual overrides and logging.

Mood-Based Music Recommendation App — Azure, Flask, Gemini API   (2024)
Built a web app using Azure Cloud Services to recommend music based on user mood. Integrated Azure SQL and Gemini API for emotion-based data processing and playlist generation.

Ultron AI Assistant — Python, Speech Recognition, Automation APIs   (2025)
Created an AI model inspired by *Iron Man's Jarvis* to assist with daily tasks through voice commands. Integrated task automation, system control, and contextual responses for an interactive user experience.

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, C, C++, Shell, SQL
- **Technologies:** openstack, Docker and Docker compose, node js with express, mongodb, neo4j, google colab, hadoop, elasticsearch, azure functions, apache kafka, Node-RED, Flask, Git, Github
- **Cloud Platforms:** Azure, AWS

Education

National School of Technologies, Casablanca — Computer Science   (2020–2021)
Gained a solid foundation in programming, algorithms, and computer systems.

International University of Rabat — Bachelor in Computer Science   (2022–Present)
Specializing in cloud computing, DevOps, and data systems through academic and hands-on projects.

Certifications

- **essentials with azure fundamentals** , Microsoft
- **AWS Academy Graduate - AWS Academy Cloud Foundations**, AWS