

# AHMAD SALEMEH

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## WEB DEVELOPER

Passionate and detail-oriented Web Developer with a strong foundation in front-end and back-end technologies. I specialize in building responsive, user-friendly websites and web applications using modern frameworks such as React, Node.js, Express, Flask, etc... With a solid understanding of modern UI principles, RESTful APIs, and database management, I strive to deliver clean, maintainable code and efficient solutions. I'm a fast learner, a strong problem solver, and thrive in collaborative environments where innovation and performance matter.

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## PROFESSIONAL EXPERIENCE

### Monty Mobile - Hamra DevOps | Intern

May 2025 - current

- Collaborated closely with a cross-functional team to build and deploy a large-scale, modern web application under tight deadlines and high-pressure conditions.
- Assisted in automating infrastructure deployment, streamlining the provisioning of services and resources to improve operational efficiency.
- Contributed to the setup and optimization of CI/CD pipelines using GitLab CI/CD, enabling faster and more reliable code integration and delivery.
- Gained hands-on experience with containerization technologies like Docker, shell scripting with Bash, and various DevOps tools to support scalable deployment strategies.
- Improved system scalability and reliability by refining deployment workflows and integrating monitoring solutions.
- Co-developed a web-based management application for internal testing purposes:
  - Frontend: Built using React, Tailwind CSS, and shadcn/ui to deliver a responsive, user-friendly interface.
  - Backend: Developed APIs using Python Flask, focusing on performance and maintainability.
  - Database & Storage: Integrated MongoDB Atlas and Supabase for secure, cloud-based data handling and file storage.
- Actively participated in code reviews, sprint planning, and collaborative debugging sessions to ensure team cohesion and quality output.

### Codex - Sin El Fil Backend Development | Intern

July 2024 - 3 month

- Joined a collaborative development team at Codex, where I was introduced to the Spring Boot framework and quickly ramped up thanks to my strong Java foundation.
- Designed and developed a fully functional CRUD-based application from the ground up, aligned with best practices in scalable backend architecture.
- Built the project using a microservices architecture, allowing independent deployment, scalability, and modular development of services.
- Integrated cutting-edge technologies to support enterprise-level backend operations:
  - gRPC – Implemented for high-performance inter-service communication.
  - Apache Kafka – Used to enable asynchronous, fault-tolerant messaging between services.
  - Docker – Employed to containerize services, ensuring consistent deployment across environments.
  - Redis – Utilized for caching to boost application performance and reduce database load.
  - Log4j – Configured structured logging for monitoring, debugging, and traceability.
- Gained practical experience in building scalable, distributed backend systems, deepening my understanding of service orchestration and system resilience.
- Collaborated in code reviews and agile sprints, adapting to real-world development workflows and fast-paced delivery cycles.

**Full Stack Development | Intern**

- Completed a full-time internship at Telecel, where I independently designed and developed a responsive web application for sending bulk WhatsApp messages using Meta's Business APIs.
- Built the frontend with React.js and Tailwind CSS, delivering a modern, user-friendly UI optimized for both desktop and mobile users.
- Developed the backend using .NET Core, ensuring robust API handling, business logic processing, and secure communication with Meta's services.
- Implemented SQL Server to manage relational data and ensure reliable, high-performance data storage and retrieval.
- Successfully integrated all components into a functional, production-ready system that aligned with Telecel's operational messaging requirements.
- Gained hands-on experience in third-party API integration, including authentication, message formatting, rate limits, and error handling.
- Strengthened my full-stack development skills, from frontend design to backend architecture and database management.
- Worked under real business constraints, improving my ability to deliver scalable, maintainable solutions on time.

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## EDUCATION

**Islamic University Of Lebanon - IUL**

Masters in Computer And Communication Engineering - CCE

**New Century School**

LS bachelor degree

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## ACHIEVEMENTS

**Multi-Service Management System – Dynamic Admin Platform**

React.js | Tailwind CSS | ShadCN UI | FastAPI | MongoDB

A dynamic and extensible admin platform designed to manage multiple types of services such as restaurants, users, shops, and more – all within a unified interface. Built with a fully component-driven frontend using React, Tailwind CSS, and ShadCN UI, the application provides reusable forms, tables, and dashboards that adapt based on the selected service type. The backend, developed using FastAPI and MongoDB, supports dynamic schemas and RESTful APIs, enabling the system to scale easily as new service types are added. This project demonstrates advanced design thinking in creating flexible and scalable systems with real-world administrative needs in mind.

**Bulk Sender – Omnichannel Messaging System**

React.js + TypeScript + Spring Boot | gRPC | Meta WhatsApp API

A robust, user-friendly web application that enables businesses to send personalized messages to a large number of customers via WhatsApp Business API in seconds. Built using modern technologies such as gRPC for inter-service communication and designed with a scalable architecture. Currently in progress to support SMS and Email as additional communication channels.

**Self-Driving Car – Final Year Project**

Python | Raspberry Pi 4 | Deep Learning | OpenCV

An intelligent hardware-based self-driving car built from scratch using a Raspberry Pi 4 as the controller and a mounted camera for real-time road tracking. Utilizes a deep learning model to predict the steering angle and detect stoplights, performing actions like stopping on red and moving on green. This project demonstrates strong integration of AI, computer vision, and robotics.

## **Salame Electric – Organization E-commerce Website**

MERN Stack | Supabase

A modern, responsive e-commerce platform for an electronics store. Features dynamic product listings, category filtering, and user-friendly navigation. Includes a powerful admin dashboard for managing products, categories, and users. Built with scalability and clean UI/UX in mind.

## **Memories – Coffee Shop Web App**

React.js | Tailwind CSS

A stylish and responsive web app for a coffee shop designed to enhance customer interaction. Includes a dynamic menu, customer reviews, and order placement for pickup or delivery. Prioritizes seamless navigation and an appealing user interface.

## **Snapgram – Social Media Platform**

React + Supabase

A full-featured social media platform inspired by Instagram. Snapgram combines a sleek modern interface with real-time user interaction and media sharing. Built using Supabase for backend services such as authentication and real-time updates, enabling users to post, follow, and engage in a smooth and scalable environment.

## **Photo Editor App**

React Native | Photoroom API

An advanced photo editing mobile application that leverages Photoroom API for features like background removal, image enhancement, object overlay, and lighting adjustments. This project significantly expanded my skills in React Native, API integration, and image processing.

## **Green Land – Agricultural Store Management System**

Java | GUI

A desktop-based store management system developed as a university group project. Features separate admin and customer interfaces, inventory management, product search, order processing, and more. Built using Java GUI panels for a responsive GUI experience.

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## **SKILLS**

### **Frontend Development**

- Vite, React.js, React Native, TypeScript, JavaScript
- Tailwind CSS, ShadCN UI, Bootstrap
- Responsive design, dynamic UI generation, component-based architecture

### **Backend Development**

- Spring Boot, FastAPI, .NET Core
- RESTful APIs, gRPC communication, WebSockets
- Authentication (JWT, OAuth2), caching with Redis

### **Databases**

- MongoDB, PostgreSQL, MySQL, SQL Server, Supabase
- Data modeling, schema design, query optimization

### **DevOps & Deployment**

- Docker, CI/CD (GitLab CI, Jinja), Git version control
- Deployment on Vercel

### **Tooling & Testing**

- Postman, Chrome DevTools
- VSCode, GitHub, Gitlab

### **Soft Skills**

- Team collaboration , problem solving, rapid learning
- Project planning, API documentation, cross-functional communication