

Mohammad Zeidan

Beirut, Lebanon

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SUMMARY

Full-stack software engineer specializing in AI-powered systems, backend APIs, and cross-platform applications. Experienced in building Retrieval-Augmented Generation (RAG) pipelines, AI agent workflows, and real-time monitoring systems. Strong background in FastAPI, Dockerized deployments, computer vision, and automation using n8n. Passionate about clean architecture, scalable system design, and prompt engineering.

EDUCATION

- **SE Factory** Beirut, Lebanon
Full-Stack Software Engineering Bootcamp *Nov 2025 – Feb 2026*
 - Intensive hands-on program covering React, React Native, Node.js, NestJS, Laravel, FastAPI, Docker, CI/CD, and cloud deployment.
 - Built production-ready applications focusing on scalability, system design, and modern development workflows.
- **Istanbul Esenyurt University** Istanbul, Türkiye
Bachelor's Degree in Computer Engineering *Graduated 2025*
 - Relevant Coursework: Data Structures, Algorithms, Database Systems, OOP, Software Engineering.

EXPERIENCE

- **Aegis Ignis (Fire & Security Monitoring System)** Remote
Full-Stack / AI Engineer *Dec 2025 – Jan 2026*
 - Developed an AI-powered real-time monitoring platform for fire, smoke, and intrusion detection using live camera feeds and computer vision models.
 - Designed backend services with FastAPI, integrating RAG pipelines, AI agent workflows, and automated alerting using n8n for intelligent incident response.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, PHP, SQL
- **Frameworks & Libraries:** React, React Native, FastAPI, Bootstrap
- **Databases:** PostgreSQL, MySQL, MongoDB, ChromaDB
- **AI & LLM Systems:** RAG Pipelines, AI Agents, Prompt Engineering, Computer Vision, Face Detection
- **Automation & Orchestration:** n8n, Workflow Automation, Event-Driven Systems
- **DevOps & Tools:** Docker, Git/GitHub, CI/CD, Postman, Figma

PROJECTS

- **Aegis Ignis** GitHub
AI-Powered Fire & Security Monitoring Platform *2026*
 - * Designed and developed an AI-based real-time monitoring system for fire, smoke, and intrusion detection using live camera feeds.
 - * Implemented computer vision pipelines, face detection, and occupant tracking for emergency response scenarios.
 - * Built backend services with **FastAPI**, AI agents, and automated workflows using **n8n**.
- **HomeLife (Group Project)** GitHub
Smart Home Management System — Backend Lead *2025*
 - * Led backend development for a smart home platform enabling device control, automation, and user management.
 - * Collaborated with frontend team to integrate backend services with the client application.
- **Real-Time Chat Application** GitHub
Full-Stack Messaging App *2025*
 - * Built a real-time chat application with user authentication, message persistence, and live updates.
 - * Implemented backend APIs and real-time communication logic for scalable messaging workflows.