

Ehab Farhat

Software Engineer | Solution Architect & Business Analyst

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Summary

Results-driven Backend Engineer with strong expertise in designing scalable, cloud-native systems and AI-powered solutions across healthcare, aviation, and digital platforms. Proven ability to bridge business needs with technical execution, delivering high-performance architectures, ERP ecosystems, and data-driven products. Entrepreneurial mindset with experience founding and leading an AI marketing startup, combined with a solid track record of optimizing workflows, enhancing system performance, and driving strategic growth across diverse industries.

Experience

Backend Engineer | Solutions Architect – Aug 2025 to Feb 2026

TigFlo, Saudi Arabia

- Designed and implemented the backend architecture and ERP ecosystem for MedFlo, a scalable healthcare SaaS solution, enabling clinics to streamline scheduling, health records, billing, and data insights.
- Translated business requirements into scalable technical solutions, acting as a bridge between engineering and business stakeholders to ensure alignment with operational and market needs.
- Engineered and deployed cloud-native infrastructure on AWS, utilizing containerization and CI/CD pipelines to deliver high-availability deployments, high availability, and cost-efficient scalability.
- Defined and optimized system architecture and data workflows, ensuring performance, security, and adaptability for multi-tenant environments.
- Collaborated with cross-functional teams to analyze business processes, identify system gaps, and deliver solution-driven enhancements.
- Aligned technical architecture with business strategy, supporting pricing models, operational cost efficiency, and regional growth across GCC markets.

Part-Time Software Engineer – Jan 2025 to Jun 2025

AviaPro Consulting, Canada (Remote)

- Developed and refined scalable backend services and API frameworks for the AviAnalysis platform using Node.js, TypeScript, and PostgreSQL, achieved a 30% reduction in computation time, and improved system responsiveness.
- Converted business requirements and analytical insights into robust technical solutions, ensuring alignment between system capabilities and strategic objectives.
- Built and enhanced critical modules of AirPMX, an aviation analytics platform, utilizing Python and Django to strengthen data processing performance.
- Collaborated with cross-functional teams, including aviation experts and consulting teams, to define performance metrics, interpret data outputs, and support decision-making for route planning and fleet utilization strategy.

Full-Stack Engineering Intern | Product Development & Solutions Focus – Jul 2024 to Sep 2024

Blox.Online, Emirates (Remote)

- Designed and implemented end-to-end cloud-based platform features, integrating adaptive front-end interfaces with scalable backend logic to enhance user experience.
- Built and integrated modular modules and secure API connections, ensuring efficient data flow between frontend interfaces and backend services.
- Collaborated within agile product teams to deliver iterative improvements, aligning technical development with product and user requirements
- Improved development pipelines by leveraging version control systems, code optimization techniques, and peer review practices, increasing system stability and long-term sustainability.
- Contributed to UI/UX enhancements and performance tuning, delivering a more intuitive and efficient user journey

Education

IESEG School of Management – Incoming

Paris, France

Master's in Finance

University of Balamand (UOB) – Sep 2021 to May 2025

Koura, Lebanon

Dean's Honor List in Computer Science

Senior Project: getSuited – AI-powered mock interview platform using NLP and behavioral analytics

Certificates & Courses

- Udemy – Data Science (2025)
- Google – Foundations of Project Management (2024)
- Udemy – Digital Marketing (2024)
- Coursera – Foundations of Project Management (2024)

Skills & Expertise

- Data Processing & Analysis
- Predictive Analytics
- Machine Learning & NLP
- ERP Systems & e-Invoicing Solutions
- PostgreSQL, MongoDB, MySQL
- Java, C++,Python
- Prisma ORM, Supabase
- AWS, Docker, GitHub Actions
- Swagger, Postman
- Node.js, React, Next.js
- Express, Django, Spring Boot
- API architecture
- Analytical Thinking & Problem Solving
- Solution Architecture & System Design
- AI-driven analytics
- Business Requirements Gathering & Analysis
- Technical Solution Mapping & Workflow Design
- Stakeholder & Client Engagement
- Cross-Functional Collaboration & Alignment
- Business Process Analysis & Optimization
- Adaptability & Continuous Learning
- Critical Thinking & Decision-Making

Languages

Arabic: Native | **English:** Fluent| **French:** Elementary Proficiency| **Spanish:** Elementary Proficiency