

Ehab Farhat

Software Engineer | Solution Architect & Business Analyst

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Summary

Ambitious Computer Science graduate with a strong foundation in backend engineering, artificial intelligence, and data-driven systems. Demonstrates academic excellence and hands-on experience through projects in NLP, machine learning, and scalable cloud architectures. Proven ability to apply theoretical knowledge to real-world challenges, with experience in developing high-performance platforms across healthcare, aviation, and digital solutions. Analytical, research-oriented, and highly adaptable, with a strong commitment to advancing technical expertise within a rigorous graduate program environment.

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

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

Extracurricular Activities

Founder, Campaignly (AI Marketing Startup)

- Founded and led the development of an AI-powered marketing platform enabling SMEs to generate data-driven strategies and campaigns efficiently.
- Architecting automation tools to accelerate campaign creation, reduce dependency on agencies, and optimize marketing performance.
- Driving product strategy, development roadmap, and go-to-market execution in a fast-paced startup environment.

Event Planner & Public Relations | Google Developer Student Club

- Spearheaded the planning and execution of Google Devathon, a large-scale inter-university tech event engaging students across multiple institutions.

- Directed end-to-end event operations, including partnerships, logistics, and stakeholder coordination, ensuring high participation and seamless delivery.
- Developed and executed targeted PR and outreach strategies to maximize event visibility, engagement, and brand positioning.

Travel Platform Initiative

- Co-developed a digital visa management platform streamlining applications for visas, flights, and accommodation.
- Engineered a user-centric system to simplify complex processes, improve transparency, and enable real-time application tracking.
- Partnered with a travel agency to translate business needs into scalable product features and enhanced user experience.

Certificates & Courses

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

Skills & Expertise

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

Languages

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