

## Ahmed Mohsen Albaz

### Staff Engineer / Frontend Technical Lead | Full-Stack & AI-Enabled

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Portfolio: [aelbazz.github.io/profile](https://aelbazz.github.io/profile) | GitHub: [github.com/aelbazz](https://github.com/aelbazz)

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## Professional Summary

Strategic **Staff Engineer & Technical Lead** with 13+ years of experience driving the evolution of large-scale web ecosystems. Expert in **Angular architecture and Product-Oriented Engineering**, with a recent focus on Generative AI orchestration. Recognized for leading high-performing teams through complex digital transformations, optimizing development lifecycles, and delivering robust, secure solutions for top-tier government.

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## Professional Experience

### THIQA Business Services Co., Riyadh, Saudi Arabia

#### Staff Developer – Digital Innovation Unit | Jan 2024 – Present

- Member of the **Technology Development leadership group**, contributing to technical strategy, departmental planning, and execution of OKRs across development teams.
- Lead and mentor a **cross-functional team of 5 engineers**, ensuring high-quality delivery, technical excellence, and alignment with business and product goals.
- Act as **Frontend Technical Owner** for key innovation projects, defining frontend architecture, Angular standards, and UI scalability strategies.
- Oversee and drive **end-to-end delivery** of multiple strategic products, from ideation and PoC to MVP and production readiness.
- Lead and execute **new digital and AI-driven initiatives**, aligning innovation efforts with organizational and product roadmaps.
- Contribute to establishing **development standards, architectural guidelines, and technology stacks** across frontend and full-stack domains.
- Founded and led the **AI Integration & Adoption Unit**, responsible for enabling AI capabilities within products and aligning development teams with AI and R&D initiatives.
- Translate ideas into **Proofs of Concept (PoCs)** and scalable **MVPs**, accelerating experimentation and reducing time-to-market.

- Led the frontend and technical delivery of products including **iHealth, Quality Mate, and Business AI**, integrating AI agents, automating workflows, and ensuring maintainable, scalable UI architectures.
- Provide **strategic technical guidance and hands-on support** to product engineering teams across frontend, backend, and AI integration

#### **Staff Developer – Engineering Team | Sep 2022 – Dec 2023**

- Supported CI/CD, containerization, and DevOps practices across enterprise platforms.
- Contributed to backend and frontend integration using TypeScript, NestJS, ABP Framework, Keycloak, and Vault.

#### **Senior Frontend Developer – Product Engineers | Jul 2019 – Sep 2022**

- Delivered high-quality Angular solutions and reusable design system components.
- Mentored team members, promoted best practices, and guided frontend architecture design.

#### **Naseej AAS, Cairo, Egypt | Aug 2017 – Jun 2019**

- Senior Frontend / UI Developer, developed enterprise web applications and optimized UI workflows.

#### **Roqay, Mansoura, Egypt | Apr 2016 – Jan 2017**

- Frontend Developer, focused on polished production-quality interfaces.

#### **Deltasoft, Mansoura, Egypt | Jul 2015 – Mar 2016**

- Frontend Developer delivering interactive and responsive web interfaces.

#### **Harf Information Technology, Egypt | May 2015 – Jun 2015**

- E-Content Developer, created instructional content and interactive e-learning materials.

#### **Information Technology Institute (ITI), Mansoura, Egypt | Oct 2014 – Jun 2015**

- Trainee & Team Leader, eLearning Track; led instructional design and content development projects.

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## **Education**

## Mansoura University, Egypt

- Bachelor of Specific Education – Computer Department | 2009 – 2013 | Grade: Good

## Information Technology Institute (ITI), Egypt

- Professional Training Program (9 Months) | 2014 – 2015 | Grade: Very Good
- Selective scholarship bridging academic knowledge with ICT market needs, with hands-on projects and industry-aligned tracks.

## Mansoura University, Egypt

- Diploma in Computer Science, Faculty of Specific Education | 2014 – 2016
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## Skills

- **Frontend & Full-Stack:** Angular, TypeScript, JavaScript (ES6+), Node.js, NestJS, Express, Bootstrap, SASS, SMACSS
  - **AI & ML Integration:** Flowise AI, Cursor AI, Ollama, Generative AI
  - **DevOps & Tools:** CI/CD, ArgoCD, GIT, TFS, Containerization, Vault, Keycloak
  - **Web & API:** REST API, JSON, XML, Responsive Web Design, PWA, LitElement
  - **Design & UX:** Figma, Adobe XD, Photoshop, Design Systems, UI/UX best practices
  - **Soft Skills:** Leadership, Mentorship, Agile/Scrum, Product-Oriented Thinking, Collaboration, Problem-Solving
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## Achievements & Recognition

- **First Place, THIQA Hackathon (2023):** AI-powered voice recognition tool for accessibility.
- **Second Place, Elm Company Hackathon (2025):** Integrated AI solution using Nuha LLM, OpenAI LLM, LangChain, CrewAI, FastAPI, NestJS, Angular.
- **iHealth Product Presentation at LEAP 2025:** Showcased innovative healthcare solution.
- **Published Technical Article (2024):** Azure AD SSO Integration in Angular on Medium.
- **NVIDIA Certification:** Fundamentals of Machine Learning (2025).
- **Thiqah Awards:** Recognized for Trust, Responsibility, Cooperation, Flexibility, and Innovation.
- **Certificate of Appreciation (2022, 2023, 2024):** Recognized for outstanding contributions within the development department and projects, including AI hackathons.

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## Languages

- **Arabic:** Native
- **English:** Professional working proficiency (actively improving)

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## Interests & Activities

- Chess and strategic games
- Hiking, sports, and padel
- Exploring emerging technologies and AI innovations
- Reading (technology, leadership, and personal development)