

# Ahmed Samir

**AI Automation Expert | LangChain & LangGraph Developer | RAG Systems & Agent Evaluation  
| n8n | Full Stack Developer**

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## PROFESSIONAL SUMMARY

AI Automation Expert & Full Stack Engineer building production-ready ecosystems. I bridge the gap between complex backend logic and seamless mobile/web experiences using a diverse modern tech stack. Specializing in Autonomous AI Agents, I transform operational needs into intelligent workflows. I leverage AI-assisted development ("advanced vibe coding") to ship scalable, maintainable platforms beyond just MVPs, delivering robust solutions like Mo5talef (Media Streaming) & GitFit Ai virtual waredrop and Sonbola-edu.com ed-tech platform

## CORE SKILLS

- **Full-Stack Ecosystems & Architecture:** Designing scalable Monorepo architectures, cross-platform development (Web & Mobile), converting complex business logic into seamless user experiences, and ensuring high-performance production environments.
- **System Integration & Security:** Advanced API development & integration, reverse engineering for security assessments, secure data pipelines, background processing, and robust error handling protocols.
- **AI Agents & LLM Engineering:** Building Autonomous Multi-Agent systems (LangChain/LangGraph), RAG pipelines, prompt engineering, and designing self-correcting AI workflows with "Human-in-the-loop" guardrails.
- **Rapid Delivery & "Vibe Coding":** Leveraging AI-assisted development for rapid prototyping to production hardening, efficient debugging, CI/CD implementation, and maintaining clean, modular codebases.

## PROFESSIONAL EXPERIENCE

### Terminal Software House — Co-Founder

(Aug 2025 – Present | Egypt)

- Co-founded a software house focused on building production-ready digital products.

- Developed **Sonbola** (سنبلة) & **mo5talef** and **Getfit** with my co-founder; I led both projects end-to-end and contributed hands-on to core engineering.
- Owned the full cycle: product research, requirements gathering, solution design, implementation, production deployment, and iteration.
- Built and shipped using **AI-assisted development (“advanced vibe coding”)** to accelerate delivery while maintaining production quality.
- Drive AI-enabled features and automation where it creates measurable user or operational value.

### **StellerGate — Community Manager**

**Feb 2023 – Present | Reyad, saudiarabia**

Spearheaded the community launch for "Blood Strike" in the MENA region, bridging the gap between a global product and local Arab players.

- Market Entry & Growth: Established the initial digital presence for the game in the Middle East, growing the user base from zero to an active community.
- Localization & Engagement: Adapted global communication strategies to fit the MENA culture and language, ensuring high engagement rates.
- Feedback Loop Management: Acted as the primary liaison between local players and the global development team, gathering bug reports and feature requests to improve the product.
- Crisis Management: Moderated discussions and resolved user issues to maintain a healthy and positive community environment.

### **Appout ITS — AI Automation Specialist**

**Jul 2025 – Nov 2025 | Tanta, Al Gharbiyah, Egypt**

- Automated internal processes for **Operations, Sales, and Customer Success**, including **client onboarding, contract generation, invoicing**, and customer lifecycle workflows.
- Designed and delivered workflow automations and lightweight internal apps using n8n and **Python**, supporting business operations.
- Owned the **full delivery cycle** end-to-end: requirements gathering, process mapping, solution design, implementation, production rollout, and team training/enablement.
- Built integrations connecting tools and data sources using APIs/webhooks; implemented reliable routing, retries, and basic monitoring.
- Added AI-assisted steps for drafting, summarization, classification, and task routing with appropriate approvals/guardrails.
- Supported reporting visibility through lightweight dashboards/metrics and clear documentation for handover.

### **TBH Hotels and Resorts — Front Desk Supervisor**

**Dec 2022 – Dec 2023**

Operations & Team Leadership:

- Oversaw daily front-office operations, focusing on workflow efficiency, data accuracy, and team coordination.
- Team Management: Led and trained the front desk team, ensuring adherence to Standard Operating Procedures (SOPs) and high service standards.
- Process Oversight: Audited daily transactions and guest data entry to ensure zero discrepancies in system records.
- Reporting & Analytics: Generated end-of-shift reports and occupancy statistics for upper management (helping in decision-making).
- Crisis Management: Handled high-level escalations and resolved operational bottlenecks during peak hours.

**TBH Hotels and Resorts — Front Desk Receptionist****JUN 2022 – DEC 2022**

- Supported personal branding execution across content planning, production coordination, and delivery operations.
- Streamlined content production workflows and supported consistency of output.

**Teleperformance Telecom Egypt — Customer Support Specialist****Jan 2022– Jun 2022**

Gained high-volume operational experience within a multinational BPO environment.

\* This role gave me deep insight into the "Human side" of support operations—understanding exactly where bottlenecks happen before I learned how to automate them.

- CRM & Ticket Management: Handled high-volume customer interactions using enterprise ticketing systems, ensuring accurate data logging.
- SLA Adherence: Worked under strict KPIs (Response Time, Handling Time), maintaining high performance in a fast-paced environment.
- Problem Solving: Diagnosed and resolved customer issues in real-time, de-escalating conflicts with empathy and clear communication.
- Process Discipline: Adhered to strict troubleshooting scripts and security protocols (ISO standards).

**Three Corners Hotels & Resorts — Front Desk Receptionist****May 2019– Dec 2021**

Gained foundational experience in hospitality operations and high-standard customer service.

- Operational Exposure: Learned the daily workflows of a 5-star resort, understanding the importance of strict Standard Operating Procedures (SOPs).
- System Usage: Trained on the hotel's Property Management System (PMS) for guest data handling and room allocation.
- Communication Skills: Developed professional communication etiquette while interacting with international guests and cross-functional teams.
- Adaptability: Adapted quickly to a fast-paced work environment, handling shift duties with punctuality and discipline.

## SELECTED PROJECTS

### **Sonbola (سنبلة) — Gamified EdTech Platform (MENA-first)**

Website: <https://sonbola-edu.com/>

- Built a next-generation EdTech platform designed to reduce online learning drop-off by combining **gamification psychology** with **AI-driven support**.
- Implemented engagement mechanics: **XP, streaks, badges**, and progress loops to make learning habitual.
- Integrated **LLM-based AI companions** to provide real-time hints, explanations, and nudges so learners don't get stuck.
- Designed community features that encourage healthy competition and progress sharing.
- Localized for MENA learners with language support and culturally aware learning experience.

### **AI-Powered Virtual Try-On Mobile App (React Native)**

- Built a cross-platform mobile app for virtual clothing try-on and outfit visualization using Gen AI capabilities.
- Features: AI-driven clothing analysis & recommendations, personalized closet management, and user analytics.
- Tech stack: **React Native, Expo, TypeScript, Firebase, NativeWind, React Navigation**, and **Google Gemini** for intelligent clothing understanding.

## EDUCATION

**Technical University of Munich (TUM) B.Sc. in Information Engineering *Focus: Artificial Intelligence (AI) Engineering***

**Oct 2024 – Jun 2028**

**Udemy — Game development 3D**  
**Sep 2024 – Mar 2025**

**Udemy — Game development 2D**  
**Sep 2022 – Dec 2023**