

# Mohamed Samir Hassan

Full-Stack .NET & React Engineer

## CONTACT

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## CORE SKILLS

### Backend & APIs

- ▶ C#, ASP.NET Core, RESTful APIs, Entity Framework
- ▶ Background services, scheduling, system integration
- ▶ Authentication & authorization, JWT, role-based access

### Frontend

- ▶ React, Next.js, TypeScript, React Query
- ▶ Responsive dashboards, component-based UI, forms & validation
- ▶ Tailwind CSS, modern UI layouts

### Data & Cloud

- ▶ SQL Server, PostgreSQL, Supabase
- ▶ Query optimisation, indexing, reporting
- ▶ Basic Azure / cloud deployment and monitoring

### Architecture & Practices

- ▶ OOP, SOLID, design patterns (Repository, DI, CQRS)
- ▶ Clean architecture, layered services, modular monoliths
- ▶ Git, code reviews, CI/CD, Agile / Scrum

### Soft Skills

- ▶ Collaboration and knowledge sharing
- ▶ Clear communication with non-technical stakeholders
- ▶ Strong ownership and focus on business value

## PROFESSIONAL SUMMARY

Full-stack .NET & React engineer with 10+ years of experience building trading platforms, POS/inventory systems and internal dashboards using C#, ASP.NET Core, SQL Server and React/Next.js. Comfortable designing architecture, implementing APIs and front-end flows from prototype to production, with clear communication and predictable delivery.

## PROFESSIONAL EXPERIENCE

### Full-Stack .NET & React Engineer (Freelance)

**Self-employed · Remote**

2025 – Present Cairo, Egypt (Remote worldwide)

- Design and build custom business systems and internal tools using ASP.NET Core, React and SQL Server/Supabase.
- Define architecture and make technical decisions for startups and SMEs, keeping codebases maintainable and testable.
- Integrate third-party APIs and refactor legacy codebases to improve stability, performance and observability.

### Full-Stack Engineer – Crypto Trading Platform

**Confidential Client — Remote**

2024 – 2025 Armenia

- Designed the end-to-end architecture of a multi-service cryptocurrency trading platform (exchange, wallets, P2P, payments).
- Defined data models and API contracts for identity, wallets, balances, spot and P2P trading, reporting and rewards.
- Implemented core backend flows (deposits, withdrawals, internal transfers, order execution) and a clear trading web UI.

## SELECTED PROJECTS

### CloudMarkit POS & Multistore Platform

**Full-Stack Engineer & UI/UX Designer**

Multi-store POS and inventory system with ASP.NET Core REST APIs, Entity Framework, role-based access and React/Next.js dashboards for sales, stock and reporting.

### Secure Windows Activity Monitoring

**Engineer**

Privacy-aware Windows activity monitoring client with encrypted heartbeats over secure WebSocket, plus backend APIs and an admin portal for health checks and observability.

## EDUCATION

### B.Sc. in Information Systems / Computer Science

**New Cairo Academy, Egypt**

2010 - 2014