# Samer Fathallah

AVAILABLE FOR NEW ENGAGEMENTS

## SOLUTION ARCHITECT

s_fathalla@hotmail.com +20 122 411 4942 Cairo, Egypt 14+ years

Cloud-native architecture for eCommerce, CRM, ERP and government platforms.

### PROFILE

14+ YEARS · SOLUTION ARCHITECT

Solution Architect with 14+ years designing and delivering end-to-end cloud-native enterprise systems. I work across digital channels, eCommerce, CRM, ERP and government platforms — microservices, event-driven architecture, Domain-Driven Design, API design and governance, and scalable data design, with caching, observability, resilience and performance carried through to production.

My day-to-day output is the artefact other teams build against: solution architecture documents, C4 models, UML and sequence diagrams, swim lanes, HLD and LLD. Clear enough for an engineering team to implement from, and clear enough for a non-technical stakeholder to approve.

#### DOMAIN FOCUS

ECOMMERCE CRM ERP DIGITAL CHANNELS GOVERNMENT PLATFORMS B2B2C

## EXPERIENCE

REVERSE CHRONOLOGICAL · 2010 TO PRESENT

### Solution Architect

2023 — PRESENT

**Esar International Group** · Remote — Riyadh

*Solution-level decisions and their effect on business outcomes.*

- Designed cloud-native microservices on Azure and GCP, with caching, observability, resilience and scalable database design carried through to production.
- Implemented PCI-DSS-compliant payment integration, defining API security, token management and session management patterns for checkout.
- Built a car-rental CRM and an Elasticsearch store for booking data at scale.
- Deliver integrations with Saudi government platforms — SASO, Elm and Wasl — against their governance requirements.
- Own solution architecture documents and presentations, plus HLD, LLD and DFD, for technical and non-technical stakeholders.
- Set project roadmaps, define solution specifications, and lead the migration of the current system onto the latest stack.

AZURE · GCP · MICROSERVICES · ELASTICSEARCH · DDD

### Solution Architect

2019 — 2023

**Alawadiliah Information Technology** · Cairo — Riyadh

*Progressed from tech lead to solution architect.*

- Led micro-architecture definition and drove overall software implementation across the SDLC: design, development, testing, production.
- Led a team of software engineers to deliver quality software within agreed deadlines; supervised, trained and guided them.
- Designed hosting architecture for scalable applications on AWS, Linode and Cloudflare, including load balancing and security.
- Took projects to production with CI/CD, and tuned application performance and system monitoring.
- Evaluated and contributed to RFI, RFP and RFQ technical requirements.
- Analysed customer technology and led problem isolation; fed findings back to R&D.

AWS · CLOUDFLARE · CI/CD · APM · RFP

## Technical Project Manager

2016 — 2018

**Handy Souq DMCC** · Dubai

*Re-platform onto Laravel and took the team through requirements gathering.*

- Built and owned project plans: scope, cost, schedule, quality, resourcing and communication.
- Planned and drove the move to the new technical solution, managing each release through launch.
- Designed features across multiple subsystems — requirements, prototyping, coding and deployment.
- Ran the testing and UAT phases of the project lifecycle.
- Wrote user stories and groomed the backlog.
- Cleared team problems and project roadblocks so delivery held its dates.

LARAVEL AGILE UAT BACKLOG

## Assistant IT Project Manager

2013 — 2016

**United Turnkey Systems** · Dubai

- Owned the complete lifecycle of new and modified software: research, design, implementation, training and support.
- Determined project requirements and developed work schedules for the team.
- Managed all activities of the tech development team.
- Liaised with team members, management and clients so projects finished to standard.
- Analysed existing operations and scheduled training and improvement reviews.
- Mentored other system analysts on complex issues, and resolved workflow problems without escalation.

DELIVERY UAT GOVERNMENT CLIENTS

## IT Business Analyst

2012 — 2013

Entabza Technologies · Dubai

- Translated business requirements into well-designed software structures with IS staff.
- Prepared scenarios and testing schedules, and monitored performance during testing.
- Developed technical documentation for system support.
- Ran process-improvement studies on complex operational problems and new system requirements.
- Reviewed test plans and assigned application functionality; resolved workflow issues.

REQUIREMENTS DOCUMENTATION PROCESS

## Full-stack Developer

2010 — 2012

Capital Homes · Cairo

- Developed back-end applications and databases supporting web platforms and business operations.
- Designed and implemented front-end interfaces with HTML5 and Bootstrap.
- Deployed and maintained sites across WHM, cPanel, FTP and VPS hosting.
- Integrated payment gateways and third-party APIs for eCommerce platforms.
- Trained and mentored staff on advertisement listing and content.

PHP MYSQL BOOTSTRAP CPANEL

## CAPABILITIES

65 NAMED ACROSS 6 GROUPS

### ARCHITECTURE

Microservices · Event-driven design · Domain-Driven Design · API design & governance · Scalable database design · Caching strategy · Observability · Resilience patterns · Performance tuning · HLD / LLD / DFD · C4 models · UML & sequence diagrams · Swim-lane diagrams · Solution architecture docs

### CLOUD

Azure · Google Cloud · AWS · Cloudflare · Linode · Vultr · Heroku · Load balancing · Hosting architecture

### BACKEND

PHP · Laravel · CodeIgniter · Python · Django · Node.js · Socket.IO · MySQL · Elasticsearch · REST APIs · Payment gateways

### FRONTEND

JavaScript · Vue.js · React · HTML5 · CSS · Bootstrap · AJAX

### PLATFORM & DELIVERY

Docker · CI/CD · Apache · Nginx · Linux / Ubuntu · Windows Server · macOS · Server hardening over SSH · Bash · Python network automation · MS Project · Basecamp · Agile / Scrum · Waterfall

### NETWORK & SECURITY

TCP/IP, UDP, DNS, FTP · SSH, SSL/TLS, HTTP · Network traffic analysis · Incident response · Phishing attack analytics · Vulnerability assessment · Nessus · Acunetix · Nmap · PCI-DSS integration

## CREDENTIALS

CERTIFICATIONS, EDUCATION, LANGUAGES

### Azure Solutions Architect Expert

MICROSOFT

2025

ID 3164F163EEC8D2A4

### Professional Cloud Architect

GOOGLE CLOUD

2025

ID 0d6469d36ea34ae6aafbfae7e692c24e

### Certified Scrum Master (CSM)

SCRUM STUDY

2018

ID 660109

### Scrum Fundamentals Certified (SFC)

SCRUM STUDY

2013

ID 65935

### Certified PHP & MySQL Developer

VTC

### CompTIA Security+

COMPTIA

### CCNA

CISCO

## EDUCATION

### B.Sc, Management Information Systems

Tanta University 2010

## LANGUAGES

**Arabic** — Mother tongue

**English** — Excellent, verbal and written

## SELECTED WORK

GROUPED BY THE FIRM THAT DELIVERED IT

### Alawadiliah Information Technology

CAIRO — RIYADH

| | | |
|---|---|---|
| Etabeb | etabeb.com → | (https://www.etabeb.com/) |
| AT Corp | atcorp.sa → | (https://atcorp.sa/) |
| Recaper — AI | script.viserlab.com → | (https://script.viserlab.com/recaper/) |
| Jihazi | jihazi.com → | (https://jihazi.com/) |

### United Turnkey Systems

DUBAI

| | | |
|---|---|---|
| Emirates Foundation | emiratesfoundation.ae → | (https://www.emiratesfoundation.ae/) |
| Dubai Cares | dubaifirst.com → | (http://www.dubaifirst.com/) |
| Dubai Media Office | dm.gov.ae → | (https://www.dm.gov.ae/) |
| Supermart | supermart.ae → | (https://supermart.ae/) |
| IT Warehouse | itwarehouse.com.au → | (https://www.itwarehouse.com.au/) |

Du Telecom mobile apps — UAE  Nova Water mobile apps

Platform integrations: SASO, Elm, Wasl (Saudi governance)