Raafat Turki

TECHNICAL LEAD . SENIOR BACKEND ENGINEER

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SUMMARY

Senior Software Engineer and Technical Lead. Led delivery of Al-Tamweniya, Iraq's nationwide e-government platform — 44M citizens covered, 1M concurrent users at peak — and has shipped high-volume data systems and third-party integrations across e-government, payments, and travel. Runs backend delivery end to end: scoping with stakeholders, planning, and leading engineers to production.

EXPERIENCE

Senior Lead Software Engineer — *StarSphere*

May 2024 – Present

full-time, on-site · Nest, Go, ASP.NET, Postgres, Redis

- Led technical delivery of **Al-Tamweniya**, Iraq's nationwide e-government platform serving **44M citizens with 1M concurrent users** at peak — owned development planning, backend delivery, and production host migrations.
- Built a statistical aggregation system that processes **160M records in under 30 seconds**, refreshing reporting and decision-support data **every 4 hours**.
- Ran a backend **team of 5 engineers** in execution: sprint planning, task assignment, code reviews, and mentorship.
- **Represented the IT department** in meetings with government and private-sector stakeholders, negotiating requirements, constraints, and delivery timelines.
- Built an **NFC** Windows service auto reader software communicating with smart cards via **APDU commands**.

Senior Backend Engineer — *Tajwaal*

Nov 2025 – Feb 2026

contract, remote · Fastify, Postgres, RabbitMQ

- **Sole backend engineer** for a modular flight-booking platform: owned planning and implementation across booking, ticketing, and airline integrations, working directly with stakeholders to scope and sequence delivery.
- Designed a pluggable adapter architecture for NDC airline-distribution providers, standardizing RQ/RS handling and cutting the effort to onboard new airlines.

Backend Developer — *Feed*

Mar 2023 – Apr 2024

full-time, on-site · Express, Postgres, Redis

- Built **core business logic** e-payments, biometric verification, and JWT & TOTP auth.
- Implemented platform infrastructure observability, rate limiting, SMS delivery, activity logging, and internal ticketing CRM.
- Migrated legacy .dbf (dBase) datasets into normalized relational Postgres databases while preserving operational continuity.
- Built bulk data-transformation tooling for AI training datasets, reporting, and migrations.

Software Developer — *Freelance*

2022 – 2023

contract, remote · Go, ASP.NET, Postgres, Redis

- Built and deployed DICOM medical-imaging processing backends for a private hospital.
- Built a networked smart-pylon system: pylons mesh over LoRa and report to a central server for remote control and analytics.

Frontend Developer — *Enjaz*

2018 – 2019

internship, on-site · Vue

EDUCATION

B.S. in Computer Engineering — *Karabük University*

2018 – 2022

SKILLS

Backend	ASP.NET, Gin, Fiber, Chi, PocketBase, FastAPI, NestJS, Fastify, Express
Data & infra	Postgres, Redis, RabbitMQ, Docker, GitHub Webhooks & Actions, OpenAPI
Cloud	AWS, DigitalOcean, Oracle Cloud (OCI), Self-hosted Linux deployments
Observability	OpenTelemetry, ClickHouse, Prometheus, Loki, Datadog, Sentry, New Relic
Languages	Arabic (native) · English (fluent) · Turkish (basic)
Interests	Game development · Open source · Pixel art