Abdelrahman Ghanem

Senior Backend Engineer | Cloud Engineer

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Summary

AWS-Certified Senior Backend Engineer with over **5 years of experience** building and scaling **cloud-native systems** across telecom, SaaS, and fintech domains. Skilled in **.NET Core**, **Node.js (NestJS)**, and **AWS services**, specializing in **microservices**, **CI/CD automation**, and **system integrations** that deliver scalable, high-performing platforms.

Proven record of reducing operational costs, optimizing performance, and closing critical security gaps. Experienced in full-cycle delivery of enterprise software and cloud infrastructure across **GCC and global markets**, driving measurable business impact and engineering excellence.

Professional Certifications

AWS Certified Solutions Architect - Associate   Achieved Oct 2025

Career History

Red Bull MOBILE Saudi offered by FNT, Riyadh - Saudi Arabia - *Senior Software Engineer*
AUG 2024 - Present

Led backend and full-stack development across Red Bull MOBILE's customer-facing and internal systems, ensuring reliability, scalability, and compliance across telecom operations.

Key Contributions:

- Modernized web and mobile apps by upgrading full stack, enhancing speed, security, and adding new features.
- Enhanced the onboarding cycle experience across mobile and web platforms.
- Developed and maintained key backend services, integrating with **Huawei BSS, Nafath, Absher, ELM, Tygo, TimWeTech, and Blu Store systems**.
- **Delivered** Hilali Packages for the high-visibility **AlHilal x Red Bull MOBILE** sponsorship campaign, enabling omnichannel onboarding via **website, Jahez, and Blu Store**.
- Implemented **Absher activation flow** inside Sales Portal, improving compliance and user onboarding efficiency

Key Achievements:

- **Closed 100% of reported cybersecurity vulnerabilities**, directly saving the company from high-risk incidents and potential financial losses estimated at thousands of Riyals.

- **Reduced operational costs by over $10,000 annually** by developing internal tools that replaced third-party paid services.
- **Accelerated CI/CD pipeline efficiency and server deployment performance by 70%**, reducing the time taken by the pipeline, solving critical Bitbucket pipeline and SSH server connection issues.

Unistep, Jeddah - Saudi Arabia - *Senior Software Engineer*

Aug 2023 - Aug 2024

Founded and led the software technology department for Unistep, a consultancy serving nonprofit and educational organizations.

Key Responsibilities:

- Founded and scaled the in-house software team, hiring and mentoring 5+ remote engineers.
- Led end-to-end development of **LifeProject**, an educational platform serving hundreds of students.
- Launched [**Taqrer.net**](Taqrer.net), a SaaS platform designed to enhance donor communication and empower nonprofit organizations with advanced analytics.
- Integrated Taqrer with major partners:
    - **NCNP (National Center for Non-Profit Sector)** to streamline nonprofit sector alignment.
    - **Salla** and **Zid** e-commerce platforms by developing plugins that allow nonprofits to create Taqrer accounts and automatically sync store data seamlessly.

Key Achievements:

- Successfully launched **Taqrer.net** as a standalone startup, now serving **90+ nonprofit clients**.
- Enabled rapid onboarding and engagement through **1-click integrations** with leading e-commerce platforms (**Salla, Zid**).
- Contributed to the growth of LifeProject, providing educational access to **hundreds of students**.

IamProperty, United Kingdom (Remote) - *Senior Software Engineer*

Nov 2022 - Aug 2023

Contributed to the modernization of IamProperty's real estate software ecosystem, ensuring cross-platform reliability and performance.

Key Responsibilities:

- Revamped CRM and Accounts modules to improve scalability and maintainability.
- Unified multiple legacy systems (**iamsold**, **movebutler**, **EweMove**) under one integrated backend ecosystem.
- Collaborated with cross-functional teams across the UK to deliver new features and reduce backlog.
- Decreased operational bug rate by **50%** via codebase refactoring, testing, and observability improvements.

Impact:

- Improved platform stability and developer velocity through code standardization.
- Supported cross-brand unification, improving user experience and backend maintainability.

ProCrew, Egypt - *Full Stack Developer*

Nov 2021 - Nov 2022

Delivered backend and infrastructure improvements for fintech, insurance, and data synchronization clients.

Key Responsibilities & Projects:

- **Savvy (Trellis Connect):** Built backend services for a next-gen insurance comparison platform; integrated **Datadog** and **Sentry** for monitoring.
- **TreasureFi:** Designed and developed **REST/gRPC microservices** on **GCP**, integrating **Plaid**, **Apex**, and **Pub/Sub** for real-time financial data.
- **VisiPoint:** Rebuilt the data synchronization layer using Pub/Sub, improving performance by **80%** and boosting test coverage to **90%**.

Flojics Technology, Egypt (Head in Dubai) - *Full Stack Developer*

July 2020 - Nov 2021

Supported backend and frontend development for marketing analytics and service management platforms.

Key Achievements:

- Developed APIs and dashboards for **AdItix**, enabling real-time retail campaign analytics.
- Enhanced **CleanLogix** service management platform, improving task scheduling and service coordination.
- Improved response times and database query efficiency by optimizing ORM usage and indexing.

Technical Skills

Languages & Frameworks: C# - Typescript - .NET Core & MVC - NodeJs - NestJS - NextJS - ReactJS - RabbitMQ - Sentry - Seq

Devops & Tools: AWS - Docker Kubernetes - - CI/CD pipelines - Git - Github Actions - Monitoring & Logging

Databases: MS SQL Server - MySQL - Postgres - MongoDB - Redis

Architecture: Microservices - Pub/Sub - Clean Architecture - Event-Driven Development - Vertical Slice Architecture

Education

B.Sc. in Computer Science, Thebes Academy — Cairo, Egypt

Sept 2017 - Jun 2021 | **GPA:** 3.47 / 4.0
Graduation Project: Queuing System (Django, Python, PostgreSQL, React.js — **Grade A**)

Awards & Community Involvement

- **ECPC (Egyptian Competitive Programming Contest)** – Contestant
- **ACPC (Arab Collegiate Programming Contest)** – Contestant
- **Technical Head**, Google Developer Student Club (Thebes Academy)
- **Core Member**, Thebes ACM (ICPC) Community