

# Muhamed Fahmy

## Senior Full-Stack Software Engineer

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### SUMMARY

Senior Full-Stack Engineer with 7+ years shipping production platforms end-to-end — Python/Django/FastAPI on the backend, React/Next.js on the frontend, PostgreSQL underneath, AWS in production. Built, scaled, and rescued systems across fintech, edtech, biotech, and automotive. Comfortable owning features from database schema to deployed UI. Selected into Toptal's top 3% of global engineering talent. Strong debugging instincts and a track record of walking into broken codebases and making them work.

### EXPERIENCE

#### Lead Engineer — Enigma Nov 2023 – Present

*Crisis engineering consultancy — rescuing stalled and failing tech projects end-to-end.*

- Shipped full-stack MVPs and production features for AI startups (Wondercraft.ai, Benno.ai, Cybertron-Labs.com, Circadia.ai) — React/Next.js frontends, Python/FastAPI backends, PostgreSQL
- Led mission-critical software delivery for Saudi Army defense operations
- Re-architected legacy systems for ArmstrongEdu post-funding — backend, frontend, and database layer
- Managed full lifecycle recovery and launch for Oshops (React Native mobile) and Kimotive
- Delivered end-to-end technical infrastructure for Psychometrica.org

#### Lead Engineer — Civi (civi.digital) Jul 2023 – Present

*Remote · Civic tech platform.*

- Built the full-stack MVP from zero — React frontend, Python backend, PostgreSQL, deployed on AWS
- Established engineering culture, CI/CD pipelines, and owned the product roadmap

#### Senior Software Engineer — Toptal (Top 3% Network) Nov 2022 – Jul 2023

- Private Jet Services (PJS): Full-stack deployment for aviation logistics — API design, frontend, infrastructure
- Civi: Architected and built the initial backend and API layer (prior to joining as Lead Engineer)
- YallaPlus: Full-stack development across frontend and backend with focus on architectural integrity

#### Independent Software Consultant Aug 2021 – Nov 2022

*Remote · Parachuted into stalled startups to unblock roadmaps and ship.*

- MindTales: Backend refactoring and feature integration for a wellness platform
- ShopX & ArmstrongEdu: Payment gateway integrations (Checkout.com) and core module development
- Hyde Park House: Modernized legacy hospitality management systems — full-stack rebuild

#### Software Engineer — Tarjama& (Ureed.com) Mar 2020 – Aug 2021

*Remote · Core contributor across all major Django modules (wallet, services, freelancers, clients).*

- Led the solo migration of Ureed's backend from a translation platform to a multi-freelancer marketplace
- Optimized a critical initial-settings API by replacing expensive queries with a pre-built static JSON payload, drastically cutting load times
- Identified and resolved a cascade deletion bug caused by a database-level lock — traced root cause through the ORM layer
- Eliminated N+1 query patterns and optimized database queries across the entire platform
- Integrated Algolia (search) and Checkout.com (payments) as third-party services
- Built core features end-to-end including the timesheet system
- Built dashboards with the data science team and delivered SQL reports for operations

#### Software Engineer — Workstation Coworking Space Aug 2018 – Mar 2020

*Alexandria, Egypt · Lead in-house engineer, full development lifecycle.*

- Built and maintained full-stack booking and membership management system from scratch
- Sole engineer — owned frontend, backend, database, and deployment

### TECHNICAL SKILLS

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Python Django FastAPI JavaScript TypeScript React Next.js Tailwind CSS Node.js PostgreSQL  
REST APIs Celery Docker AWS (EC2, S3) Git CI/CD Algolia Database Optimization NLP  
System Architecture

## EDUCATION

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Alexandria University — Computer Engineering · 2017 – 2018

Alexandria University — Pharmaceutical Sciences · 2015 – 2017