

Mohammed Jameel Fouad

Full Stack Developer | React.js · Node.js · FastAPI · AWS

+201146863395 | Cairo, Egypt | mo.jameel.official@gmail.com | [LinkedIn](#) | [GitHub](#) | [Credly](#) | [My Portfolio](#)

Profile Summary

Full Stack Developer and graduate of the Digilians AI-Based Software Development Specialized Diploma, building production-ready web applications with React.js, Node.js/Express, FastAPI, and MongoDB. AWS Certified Developer – Associate and Cloud Practitioner with hands-on experience deploying cloud-native applications and integrating AI models into application workflows. Currently interning at MCIT on production-facing government projects.

Professional Experience

Software Engineering Intern, Ministry of Communications and Information Technology (MCIT), Egypt, Sep 2026 – Present

- Built DEPI-Staff-Management System end to end: staff management (attendance, tasks, leaves, Gantt, reports) with React, TypeScript, FastAPI, MongoDB
- Developed 150+ REST endpoints with JWT auth, role-based access control, audit logs, and Arabic (RTL) PDF/Excel export
- Integrated an AI assistant (Gemini, Ollama); wrote 500+ automated tests (pytest) and Playwright end-to-end tests
- Containerized with Docker Compose (MongoDB replica set, Nginx) and documented deployment and backup runbooks

Software Engineering Trainee, Digilians, Egyptian Military Academy, Dec 2025 – Sep 2026

- Built full-stack web applications using React.js and Node.js/Express
- Designed and deployed cloud-native solutions on AWS, and integrated AI models into application workflows
- Trained in CI/CD (GitHub Actions), Infrastructure as Code (Terraform), and Kubernetes with Helm
- Used AI tools (Claude, GLM, ChatGPT, Amazon Q, Gemini) to speed up development and improve code quality

IT Specialist, Linah Group, Dokki, Egypt, Sep 2025 – Nov 2025

- Managed LAN/Wi-Fi networks, user accounts, and hardware/server performance

Technical Support Specialist, Fujitsu - FSIT Services, Sheraton, Egypt, Jan 2025 – Sep 2025

- Supported hardware, software, and Qmatic queue systems in a high-volume enterprise environment
- Managed Active Directory users and access control, and virtual machines (VMware, VirtualBox)

Mandatory Military Service, Egypt, Oct 2023 – Dec 2024 (Completed)

Skills

Frontend

React.js, TypeScript, JavaScript (ES6+), HTML, CSS, Tailwind CSS, Bootstrap, Vite

Mobile & Programming

Flutter & Dart, Java, C++, OOP, Data Structures

Database

MongoDB (aggregation pipelines)

Backend

Node.js, Express, Python, FastAPI, REST APIs, JWT Authentication, Joi

Tools & Practices

Postman, pytest, Playwright, n8n, OWASP Top 10, Agile/Scrum, AI-Assisted Development, LLM Integration

Cloud & DevOps

AWS (Developer Associate · Cloud Practitioner), Docker, Terraform, Kubernetes, Helm, Git/GitHub, GitHub Actions, Linux

Projects

MediMind — Medication Management Platform | Flutter, BLoC, Node.js, Express, MongoDB, Docker, AWS

- Built the Flutter mobile app solo (BLoC/Cubit) linking chronic patients with family, pharmacy, and doctor for medication adherence
- Developed the conditions, doses, and medications backend modules (Node.js/Express, MongoDB) as part of a team
- Platform features AI-powered OCR for prescriptions, real-time caregiver dose alerts with SMS/push escalation, and containerized deployment on AWS ECS Fargate

IT Ticketing System | React.js, Node.js, Express, MongoDB, JWT, Recharts

- Built a full-stack platform to replace informal WhatsApp-based IT requests with a structured ticket workflow (open → in-progress → resolved → closed)
- Implemented dual-role access (employee/admin), JWT authentication, a Joi-validated REST API, and centralized error handling
- Built an admin dashboard with monthly ticket trends and top-performing employees using MongoDB aggregation pipelines

EcoCycle — Smart Recycling Platform | React.js, Node.js, Express, MongoDB, JWT

- Built an admin platform to manage a nationwide smart reverse vending machine network for plastic recycling in Egypt
- Developed a React.js dashboard with real-time stats (users, active machines, revenue, recycled weight) and interactive charts
- Built a secure REST API (JWT, RBAC, rate limiting); modeled Users, Machines, and Transactions schemas with aggregation analytics

Education

Bachelor's Degree in Computer Science, Thebes Academy, Maadi, Sep 2019 – May 2023

GPA: 3.04 from 4.0

Certifications & Training

- [AWS Certified Developer – Associate](#)
- [AWS Certified Cloud Practitioner](#)
- [AWS Cloud Development](#)
- [AWS Cloud Operations](#)
- Digilians AI-Based Software Development Specialized Diploma (2026)
- [Meta Front-End Developer](#)
- [Advanced Git & GitHub](#)
- [DevOps Complete Course](#)
- CCNA · MCSA: Windows Server

Volunteer Experience

GDG on Campus – Thebes Academy | Jul 2021 – Jul 2023

- Chapter Leader (2022–2023): led events, workshops, hackathons, and sponsor partnerships; Core Team Member (2021–2022)

Languages

Arabic (Native) | **English** (Professional Working Proficiency)