

Mohamed Abdelwahab

Operations-minded engineer building practical workflow systems, infrastructure tools, and governed AI software across web, data, and automation.

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Current focus: full-time software engineering roles in the UAE or internationally, with relocation open where visa support is included.

PROFESSIONAL EXPERIENCE

IT Support & Admin Assistant

NOV 2020 - PRESENT

RAK Security Services LLC · Ras Al Khaimah, UAE

Deliver day-to-day IT support and administrative operations across office systems, records, reporting, and management follow-up.

- Support Windows workstations, office software, printers, connectivity, application setup, updates, and basic system administration.
- Maintain employee, client, contract, attendance, licence, training, leave, and payroll-support records and documentation.
- Improve recurring office workflows through Excel, data cleanup, PowerShell automation, and personal internal software tools.
- After local validation, remotely audited 12 office workstations through a fleet controller and produced structured, integrity-verifiable evidence packages.
- Implemented and locally tested encrypted controller-state backup and isolated recovery; production recovery has not been required.

Freelance Full-Stack Developer

2016 - 2019

Independent · Remote

Built and deployed websites for paid clients, friends, and online communities, working independently and as a backend contributor on team projects.

- Delivered 10 websites independently and owned backend development and server setup for 3 collaborative projects.
- Completed 8 paid engagements and 5 unpaid friend or community projects; historical client work remains private.
- Built PHP/Laravel and Angular applications with REST APIs and MySQL, PostgreSQL, MongoDB, and Firebase.
- Configured domains, SSL certificates, databases, Windows Server, IIS, and application deployments.

TECHNICAL STRENGTHS

CORE ENGINEERING

TypeScript · JavaScript · React · Next.js · Node.js · NestJS · Git · Automated testing

BACKEND AND DATA

REST APIs · GraphQL · PostgreSQL · MySQL · MongoDB · Cloudflare D1

INFRASTRUCTURE AND OPERATIONS

Linux · Docker · Windows Server · IIS · PowerShell · Bash · Nginx · Networking

PRACTICAL AI ENGINEERING

AI-assisted automation · Tool calling · Agent workflows · LLM API integration

WORK MODES

UAE

Remote, hybrid, or on-site

International

Remote, or relocation with visa sponsorship

OPERATIONS CONTEXT

Excel reporting · Data cleaning · Records management · Workflow improvement

Supporting familiarity: PHP/Laravel · Firebase · Cloudflare Workers · CI/CD

FULL-STACK SOFTWARE ENGINEER

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EARLIER EXPERIENCE

Game Systems Developer

JAN 2014 - DEC 2017

Independent private-server projects · Remote · Part-time

Developed gameplay systems and supporting websites for independently operated Rappelz servers, with no affiliation to the official publisher or studio.

- Contributed to approximately 10 server projects, acting as main developer on approximately 8 and in a supporting role on approximately 2.
- Created item and skill configurations, gameplay behavior, systems, and events using SQL Server scripts and Lua.
- Built and maintained supporting community websites and prepared modified item-icon assets.

SELECTED ENGINEERING PROJECTS

HR Operations Platform

PERSONAL PROJECT - ACTIVE

Solo-built HR workflow system with a NestJS GraphQL backend, React admin portal, Expo mobile app, PostgreSQL data model, and generated-data lifecycle proof.

Personal project informed by real workflows; not an employer product or adoption claim.

Office PC Platform

PRIVATE PROJECT - ACTIVE

Solo-built PowerShell audit and fleet-management platform used to standardize remote audits across 12 workstations after local validation.

Public material uses synthetic data and excludes employer identity and internal infrastructure.

PDFLover

PUBLIC REPOSITORY - VERIFIED

Solo-built privacy-first PDF workspace with local browser workflows, optional AI-assisted features, and a repository gate of 407 passing tests plus lint, typecheck, and build.

Three selected real-PDF showcase workflows remain separate proof work.

Novara

PRIVATE PERSONAL SYSTEM - ACTIVE

Solo-built private AI assistant and engineering system focused on governed tools, approvals, agent workflows, memory, and controlled automation.

Only sanitized architecture and feature descriptions are public.

EDUCATION

Three-Year Diploma in Computer Science

Khartoum College of Administrative Technology

Sudan · 2016

Grade: Very Good

SELECTED CREDENTIALS

Full-Stack Engineer - Professional Certification

Codecademy · 2023

[Verify](#) ↗

Android Developer Track

Udacity · 2018

Node JS Certification Course

Programming Hub · 2020

ISO 9001:2015 Awareness Training

Quality Middle East · 2022

LANGUAGES

Arabic

Native

English

Professional working proficiency