

SHERIF ABDULLAH

Software Engineer

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EXPERIENCE

Software Engineer

Verto Wave

April 2024 - Present

Cairo, Egypt

- Led development of **StackX**, an enterprise automation platform managing 10,000+ devices and 25+ backend services, enabling teams to run, monitor, and orchestrate automated workflows across infrastructure.
- Built a unified **Vertowave Authorization Package** with **Keycloak**, reducing setup time by **95%** (from 3 months to 3 days) and ensuring consistent access control across projects.
- Engineered a dynamic **Workflow Engine** supporting rollback, triggers, scheduling, and parameterized workflows—executing 1,000+ automated tasks monthly.
- Created rich visualization tools and real-time response viewers (JSON, tables, text, and file output) to simplify result inspection and debugging.
- Optimized backend APIs and SQL queries, improving performance by **30%** and reducing average API response time to under **200 ms**.
- Implemented **CI/CD pipelines** using Docker and GitHub Actions, reducing deployment time by **65%** and ensuring consistent build environments.
- Collaborated in an Agile team environment, performing code reviews, contributing to design discussions, and maintaining clean, scalable architecture across services.

PROJECTS

StackX Automation – Verto Wave Project

.NET, RabbitMQ, Keycloak, SQL, React, Tailwind, TypeScript

April 2024 - Present

- Led development of **StackX**, an enterprise automation platform managing diverse infrastructure (devices, servers, APIs) with secure, role-based access.
- Built dynamic **Workflow** and **Actions Engines** with rollback, triggers, and reusable templates to automate complex operational tasks.
- Developed a visual workflow builder and real-time response tools, improving debugging efficiency and execution transparency.
- Created the reusable **Vertowave UI Library**, boosting frontend development speed and consistency across all projects.
- Designed the **Vertowave Authorization Package** integrated with **Keycloak**, cutting setup time by **95%** (from 3 months to 3 days) and standardizing access control company-wide.
- Delivered comprehensive auditing, tagging, and monitoring capabilities, reducing manual workload and deployment time significantly.

EDUCATION

B.Sc. in Computer Science and Artificial Intelligence

Modern University for Technology & Information, Egypt

SKILLS

.NET Core

Entity Framework

C#

RabbitMQ

MassTransit

Elasticsearch

Blazor

Keycloak

OpenID Connect

Docker

React

TypeScript

Tailwind

ShadCN

JavaScript

SASS & CSS

REST APIs

CI/CD

jQuery

Ajax

HTML

Bootstrap

Python

Django

SQL

Git & GitHub

LangChain

Linux

Learning Potential

Team Work

Organization

Flexibility

Responsibility

Multitasking

CERTIFICATION

- .NET Core Microservices - Udemy
- .NET Core - The Complete Guide - Udemy
- React - The Complete Guide - Udemy
- Python Django - The Practical Guide - Udemy
- The Complete Python Bootcamp - Udemy