



Beshoy Riad

Software Developer | DevOps & Automation

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About me

Software Developer specializing in building desktop applications, database systems, and UI/UX design. Skilled at delivering functional solutions and improving user workflows. Focused on building efficient, scalable systems with modern DevOps practices and automation pipelines.

Work experience

Software developer | Tech Gear Solutions | 01/04/2024 - 01/07/2025 | Hurghada, Egypt

Designed and developed custom ERP business systems such as restaurant POS and cashier management tools using Python (PySide6 / Qt) and SQL Server.

Created intuitive UI/UX designs and prototypes in Figma, ensuring seamless user workflows and accessibility.

Integrated data synchronization systems over LAN, enabling real-time exchange and reporting between multiple PCs and branches.

Reduced invoice generation time by 40% through optimized SQL queries and printer API integration.

Enhanced printing and reporting functionality, including advanced invoice layouts and API-based printer integrations.

Conducted usability testing and debugging, improving reliability and reducing user friction across deployed systems.

Website: <https://tech-gear.net/>

Call Center Agent | Raya CX | 01/04/2021 - 01/06/2021 | Hurghada, Egypt

Worked on KFG project and greeted and served customers with professionalism, ensuring fast, accurate, and friendly service.

Handled cash, card, and delivery orders while maintaining accuracy in billing and receipts.

Managed order preparation and coordination with kitchen staff to meet high-volume demands.

Resolved customer complaints and issues calmly, maintaining brand reputation and customer loyalty.

Website: <https://rayacx.com/>

Education & Training

Bachelor's degree in Computer Science and Information Technology | Egyptian E-Learning University

2020 - 2024 | Hurghada, Egypt

GPA: 3.38 | Level in EQF: 6

Skills

Programming Languages: | Python | C++ | C# | Javascript (React.js) | CSS & HTML

Desktop & System Development: | Qt Framework | PySide6 | SQL Server Integration

Databases & ORM: | SQL Server | MySQL | SQLite | Query Optimization | Data Modeling

UI/UX Design: | Figma | Prototyping | Usability Testing | Workflow Optimization | Wireframing

DevOps & Automation: | Git | GitHub | GitHub Actions | CI/CD | Docker | Agile & Scrum

Backend Development: | Flask | RESTful APIs | Socket Programming | Multithreading | OOP | MVC Architecture

Soft Skills: | Teamwork | Communication | Research | Self-learner | Time Management | Requirement Analysis

Projects

Qasr El Khdey System | Feb 2025 - Jun 2025

- Designed and coded various system interfaces with full functional integration.
- Handled extensive back-end work and frequent user-driven updates and feature requests.
- Refactored system architecture and optimized server-client communication over LAN.
- Rebuilt system infrastructure and implemented centralized database.
- Designed print layouts (receipts, invoices, reports) and connected printers over local network.

[Project Demo](#)

Dive Pro Management System | Hurghada & Sharm El-Sheikh | May 2024 - Sep 2024

- Led the development of a custom diving business management system for Dive Pro Company, covering multi-branch operations across Hurghada and Sharm El-Sheikh.
- Built a centralized online server architecture to synchronize data and operations in real time between locations.
- Streamlined factory management workflows, reducing processing time and improving worker efficiency.
- Designed and implemented an accounting tree to automate financial tracking and simplify expense management.
- Enhanced system speed and usability, contributing to faster client service and improved staff productivity.
- Worked closely with Dive Pro stakeholders to analyze requirements, optimize processes, and deploy tailored digital solutions for diving operations.

[Project Demo](#)

Eagles Spa Website | Jun 2025 - Jun 2025

A clean, high-converting spa and massage website built with WordPress and PHP. Designed in Figma with custom UI sections and optimized for fast loading, structured content, and strong on-page SEO. Includes WhatsApp API reservation buttons for instant booking and smoother client engagement.

[Website](#)

Certifications

IBM DevOps and Software Engineering Professional Certificate | Coursera | online | 01/12/2025

In Progress, Week 17 of 24 | Expected Completion: December 2025

Developing hands-on skills in CI/CD pipelines, Docker containers, GitHub Actions, Agile Scrum, and Cloud deployment.

Machine Learning Nanodegree | Udemy | online | 08/11/2025

[Certificate of Completion](#)

EF SET English Certificate 64/100 (C1 Advanced) | EF SET | online | 14/10/2024

[Certificate of Completion](#)

Artificial Intelligence Training Program | Zewail City of Science and Technology | presential | 01/08/2023

[Certificate of Completion](#)

Cisco CCNA Level 1 | Cisco Networking Academy | hybrid | 01/11/2022

[Certificate of Completion](#)

Language Skills

Arabic: Native

English: C1 Advanced