

Youssef Khaled

Software Engineer | Full Stack (.Net Core | Angular)



Egypt



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[Upwork Profile](#)



[LinkedIn Profile](#)



[GitHub Profile](#)

SUMMARY

- Skilled in C#, Web applications development using ASP.NET Core & Entity Framework with solid understanding for programming concepts.
- Well organized and proactive in providing timely, efficient and accurate support to business managers and work colleagues.
- Problem-solving and research skills.

Work Experience

Paysky · Digital Financial Solutions

Jul 2025 – Present

Senior L2 Software Engineer

Contributing to the architecture, development, and delivery of enterprise-grade digital financial solutions provided by **PaySky** to **Kuwait International Bank** in Kuwait. The portfolio includes **Buy-Now-Pay-Later**, **Single-Payment Credit “Sell-Now-Collect-Later”**, and **Remittance** platforms designed using Clean Architecture, Domain-Driven Design, and microservices principles to support scalability, security, maintainability, and complex financial workflows.

- **BNPL Platform:** Designed and developed core capabilities for a large-scale Buy-Now-Pay-Later ecosystem, including customer onboarding, merchant management, installment programs, order processing, collections, refunds, settlements, and payment reconciliation.
- **SNCL Solution:** Contributed to the development of the Single Non-Credit Limit solution, supporting flexible payment and sale-request workflows, automated collections, tenant-specific product configurations, and seamless integration with internal payment services.
- **Remittance Hub:** Developed and enhanced remittance orchestration workflows, including sender and beneficiary processing, AML and fraud-validation integrations, transaction-state management, asynchronous event handling, and customer notification flows.
- **Architecture & Engineering:** Applied Clean Architecture, Domain-Driven Design, CQRS, MediatR, and microservices patterns to build modular, testable, and maintainable services.
- **Technology Stack:** Developed backend services using .NET 9 and Entity Framework Core, integrated with Oracle Database, and managed database operations through Oracle SQL Developer.
- **System Integrations:** Designed and maintained integrations with multiple PaySky platforms, including:
 - **Subscription Engine** for payment schedules, recurring collections, and merchant subscription programs.
 - **Cube** for payment transaction processing and financial analytics.
 - **Lightbox** for customer card enrollment and card lifecycle management.
 - **Tokenization Service** for secure, PCI-compliant card tokenization and payment credential storage.
- **Event-Driven Integrations:** Implemented REST APIs, webhooks, background jobs, and asynchronous messaging to enable reliable communication and real-time data synchronization across internal and external systems.
- **Monitoring & Observability:** Configured and utilized Grafana, Prometheus, Kibana, Elasticsearch, and distributed tracing tools to monitor system health, analyze performance, investigate production issues, and centralize application logging.
- **Containerization & Deployment:** Built and deployed services using Docker and Docker Compose, ensuring consistent execution across development, testing, and production environments.

This work has contributed to strengthening KIB Bank’s digital financial ecosystem by enabling secure installment financing, flexible single-payment products, reliable remittance processing, automated payment operations, and seamless integration across multiple financial platforms.

Sure Global Technology · EMarket (SDB Bank, KSA)

Aug 2024 – Jul 2025

Senior Software Engineer

Contributed to the development of a comprehensive vehicle loan management system for a banking client (*Social Development Bank*), divided into three key components:

- **CRM Integration:** Played a key role in implementing the CRM module within **Microsoft Dynamics 365**, enhancing the bank's ability to manage relationships with bank employees and streamline customer interactions.
- **Backend and Frontend Development:** Developed robust backend services using **.NET7** and created an intuitive frontend interface with Angular for the bank's partners. This component focused on facilitating contract management with vehicle providers and insurance companies.
- **ABP Framework Implementation:** Led the implementation of the **ABP framework** for the customer-facing module, designed to provide essential after-sales services and support for vehicle loans, ensuring a seamless experience for the bank's customers.
- This system significantly improved the bank's operational efficiency in managing vehicle loans and partnerships with external providers.

Fawry · Banking and Payment

Mar 2022 – Aug 2024

Software Engineer

Learned and applied efficient projects in several areas include:

- **Consumer Finance:** Played a key role in developing and maintaining software solutions for the Consumer Finance project. Collaborated with a cross-functional team to deliver high-quality code, ensuring efficient and secure financial transactions for customers.
- **Automating Scheduler Service:** Demonstrated expertise in designing and implementing the Scheduler project, enhancing the system's performance and optimizing task scheduling algorithms. Coordinated closely with stakeholders to meet project objectives and deliverables using **Hangfire**.
- **Create Loan into the Mobile App:** Successfully optimized an API, reducing processing time to less than 50% of its original duration through performance enhancements **"Multi-threading & Parallel- execution"** and code optimization techniques. Handled various loan types and their settlements, including **Buy Now Pay Later, Cash Out, and Credit Card**.
- Created a Unit of Work design pattern to manage and control database transactions and separated the domain layer from the persistence layer using mappers.
- Working on increase performance of the Database (SQL-Server) through applying **indexing** re-modeling, and **migration**. Supporting multiple client views through building multiple APIs using .Net Core that increase user experience by 10%.
- A significant portion of my responsibilities involved providing technical support to ensure smooth production operations and resolving any issues that arose for both our internal technical environment and our clients. I consistently delivered real-time solutions to address technical challenges, ensuring optimal performance and client satisfaction.

nWeave · Healthcare Solutions in USA

Nov 2021 – Feb 2022

Associate Software Engineer

Learned and applied efficient projects in several Healthcare areas include:

- **UAMS Medical Center:** UAMS Medical Center: Creating a web application for a Medical center located into US that handle the available operations rooms, and Doctor's leave by using .Net MVC and SQL- Server. Successfully implemented Active Directory integration as a core feature, enabling seamless user authentication, centralized access control, and streamlined user management.
- **CARTI Cancer Center:** Working as a **"Mirth developer"** that takes the data from different sources and distributes it to several destination using *Java* and *Java Script*.
- **Revixier:** Ensuring seamless integration of patient data while validating insurance coverage. Leveraging industrystandard protocols and security measures to ensure data integrity and privacy.

EDUCATION

Full Stack .NET Web Trainee

Aug 2021 – Nov 2021

Information Technology Institute (ITI) · Internship

Learned and applied efficient projects on the following technology packages:

- **Back-End package:** C#, Entity framework ORM, ASP.NET Core MVC & Web API.
- **Database Package:** SQL and T-SQL (SQL Server).
- **Front-End package:** HTML5, CSS3, bootstrap, JavaScript + ES6, and Angular.

Bachelor of Science in Computer Science

Sep 2017 – Jul 2021

Alexandria University

- First Class | GPA: 3.50 | Grade: 90%
- **Graduation Project:** A mobile application that provide a new way of shipping service called "**Near Deal**". Successfully completed with an excellent grade, demonstrating strong technical skills and attention to detail in developing the **back-end** functionality.
- **Technologies:** Node.js, Android native, Flutter, React, Firebase, NoSQL, HTML5, CSS3, JS, and Bootstrap.

PERSONAL PROJECTS

- **TeleGalsa:** Integrated system for clinics and hospitals, streamlining room availability, surgeries, and appointment scheduling. Implemented using ASP.Net Core API, Angular, SQL Server, and EF Core.
- **Snakes and Ladders (GP):** A popular children's classic board game with snakes, ladders, and luck-driven progression. Implemented using C#, Windows Forms, SQL Server, and EF Core.

SKILLS

- **Languages :** C# | JavaScript | SQL | JSON | HTML | Cascading Style Sheets (CSS) | Java | C++ | Python.
- **Frameworks:** .NET Framework | ASP.NET Core | MVC | REST APIs | EF Core | ABP Framework.
- **Science :** OOP | SOLID Principles | Design Patterns | Data Structures | Algorithms | Networks.
- **Software's :** Visual Studio | VS Code | Microsoft SQL Server | Git | Git Extension | GitHub | Postman.
- **General :** Programming | Software Development | Web Applications | Databases | Database Design | Software Development Life Cycle (SDLC) | Hangfire | Regular Expressions | LINQ (C#) | Problem- Solving | Unit Testing | Docker | Redis | Mirth | Agile Methodologies | Azure | Microsoft Dynamics 365.
- **Soft Skills :** Communication | Adaptability | Time management | Teamwork | Creativity | Empathy | Continuous learning.

Languages

- Arabic – Native.
- English – Advanced

References Available Upon Request