

Khalil Al youssef

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CAREER OBJECTIVE

Highly skilled Full Stack Developer and AI Engineer with a passion for crafting dynamic and user-friendly applications. Dedicated to leveraging expertise in front-end and back-end technologies to drive innovation and enhance user experiences. Seeking opportunities to contribute technical proficiency and creative problem-solving abilities to a dynamic development team. Committed to staying abreast of emerging trends and technologies in the ever-evolving web development landscape.

TECHNICAL SKILLS and SOFT SKILLS

Technical Skills:

- **Frontend:** React.js, Vue.js, React Native, JavaScript (ES6+), HTML5, CSS3, JQuery.
- **Backend:** .NET Core, PHP, MVC, Node.js (basic), RESTful APIs, GraphQL (basic), JQuery.
- **Databases:** MySQL, SQL Server, PostgreSQL.
- **Cloud & Security:** AWS (fundamentals), Azure (basics), CCNA1-2-3, Burp Suite, Metasploit
- **Other:** Python (automation, ML), Java (OOP, DS), C#, C, Xaml, Xml, WPF, Avalonia, MAUI.

Soft Skills: Critical Thinking, Adaptability, Problem-Solving, Collaboration & Teamwork

AI & Machine Learning Skills:

- Supervised & Unsupervised Learning (Regression, Classification, Clustering)
- Deep Learning (Neural Networks, CNNs, RNNs)
- Natural Language Processing (Text Classification, Sentiment Analysis, Chatbots)
- Computer Vision (Image Recognition, Object Detection)
- Model Deployment (Flask APIs, TensorFlow Serving, Cloud-based deployment)
- Tools & Libraries: TensorFlow, PyTorch, Scikit-Learn, Keras, Pandas, NumPy, Matplotlib.

Certificates

[Network Security \(2024\)](#)

[Introduction To Software Engineering \(IBM \)](#)

[Python Essentials 1 CISCO](#)

[Create a web UI with ASP.NET Core](#)

[Use a database with minimal API, Entity Framework Core, and ASP.NET Core](#)

[Manage Azure Pipeline agents and pools](#)

[Create a cross-platform app with .NET MAUI](#)

[Python Essentials 2 CISCO](#)

[Implement resiliency in a cloud-native .NET microservice](#)

[Intro to Cloud Computing IBM](#)

PERSONAL PROJECTS

Restaurant Website

Designed and developed a responsive restaurant website using HTML, CSS, and JavaScript. Implemented an interactive user interface with dynamic menu sections and smooth navigation. Optimized site performance and layout for cross-device compatibility (desktop, tablet, mobile).

Motorcycle Shop Management System

Developed an object-oriented Java application to manage operations within a motorcycle dealership. Implemented features for inventory management, sales tracking, customer relationship management (CRM), and employee administration. Applied core OOP principles (encapsulation, inheritance, polymorphism) to ensure modular, maintainable, and scalable code.

Multi-Device Automation Bot

Developed a Python bot that can remotely control and interact with multiple devices (such as computers, smartphones, or IoT devices) over a network. The bot's primary purpose is to automate tasks across different devices, like collecting data, sending notifications, or performing remote operations.

Cryptocurrency Price Prediction

Developed an ML system to predict cryptocurrency price movements using multiple algorithms (Linear Regression, Random Forest, LSTM). Performed **data preprocessing, feature engineering, and model evaluation** to optimize accuracy. Compared traditional ML models with deep learning approaches for time-series forecasting. Deployed the best-performing model into a simple dashboard for visualization and predictions.

3D Car Simulation Game

Designed and developed a **3D driving simulation** using **Unity** and **C#**, allowing users to navigate a car within an interactive environment. Implemented **realistic car physics**, including acceleration, braking, and collision handling, to enhance gameplay immersion. Built **custom user controls** for smooth driving mechanics and responsive player interaction. Created **environmental elements and basic interactions** to simulate a dynamic driving experience.

PROFESSIONAL PROJECTS

Dental Clinic Management Website

Developing a dental clinic management website using PHP, JavaScript, and SQL involves several key steps, including designing the database schema, developing the backend and frontend, and implementing security measures:

- **User Management:** Different user roles like admin, dentist.
- **Patient Records:** Store and manage patient information, treatment history, and X-ray images.
- **Billing and Invoicing:** Generate and manage bills for treatments.
- **Notifications:** Send email or SMS reminders for appointments.

Weather software

Creating a windows form app (.NET) to search by country name and city to obtain the weather using free APIs.

Online Bookstore Management System

- **Developed an ASP.NET Core MVC web application for managing book sales, customer accounts, and order processing.**
- **Implemented search and filtering features with LINQ and Entity Framework Core.**
- **Integrated third-party APIs for shipping and online payments.**
- **Designed responsive UI with Bootstrap and ensured mobile-first compatibility.**
- **Added reporting features (sales reports, customer activity, and inventory status) for admins.**

EDUCATION

TLC Jdaideh
BT3 INFORMATION TECHNOLOGY

SEP 2018 - 2019

Lebanese International University, SALOUMI, LEBANON
B.S. in Computer Science

OCT 2021- 2024

EXPERIENCE

SADER, BEIRUT, LEBANON

NOV 2021 – SEPT 2025

At Sader Company, I worked as a .NET Developer, where I was deeply involved in developing and maintaining web applications. My role required me to utilize my expertise in .NET, AJAX, API integration, ADO.NET, .NET Core MVC Entity Framework, and AI/ML integration to build responsive, intelligent, and efficient web solutions.

Key Responsibilities and Achievements:

- **Developing .NET Web Applications:** Designed and implemented scalable web applications using the .NET Framework and .NET Core. Built dynamic user interfaces and backend services that streamlined business processes, while leveraging Entity Framework and ADO.NET for efficient database operations.
- **AI & ML Integration:** Incorporated machine learning models and AI-powered features (such as predictive analytics and recommendation engines) into .NET applications to enhance

decision-making, automate workflows, and improve user experience.

- **AJAX for Improved User Experience:** Enhanced application interactivity and responsiveness by extensively implementing AJAX. Reduced page load times and enabled real-time data updates without full page reloads.
- **API Integration and Development:** Developed and integrated RESTful APIs for secure communication across systems. Designed endpoints for internal and external services, ensuring performance, security, and scalability.
- **Data Access & Optimization:** Optimized legacy systems by refactoring database queries using ADO.NET and Entity Framework, improving data retrieval efficiency and reducing system bottlenecks. Achieved a 30% performance boost while supporting more concurrent users.
- **Collaboration & Agile Development:** Worked closely with cross-functional teams, gathering requirements, designing solutions, and implementing features aligned with business objectives. Participated in Agile sprints, code reviews, and version control (Git).

Freelancer

FEB 2023 – PRESENT

- Developed custom full-stack web applications from concept to completion, using PHP, JavaScript, HTML, CSS, MySQL, PostgreSQL, and .NET Core MVC.
- Built cross-platform mobile applications using .NET MAUI, delivering responsive and native-like experiences on Android, iOS, and Windows.
- Applied Microsoft Full Stack Developer program skills including scalable architecture design, CI/CD pipelines, and cloud-ready deployments.
- Integrated AI/ML solutions leveraging IBM AI Engineering specialization skills: supervised & unsupervised learning, deep learning (TensorFlow, PyTorch), computer vision, natural language processing (NLP), and model deployment.
- Designed and implemented responsive UI/UX optimized for performance across devices and browsers.
- Built robust backend systems with secure authentication, data validation, and role-based access control.
- Integrated third-party APIs and libraries, including social media platforms and payment gateways.
- Conducted testing, debugging, and performance tuning to ensure stability, scalability, and smooth user experience.
- Maintained projects post-deployment with updates, security patches, and optimizations. Used Git/GitHub for version control, ensuring clean collaboration and code management.

LANGUAGES

Arabic: Native Language

English: Advanced Listener, Advanced Speaker, Advanced Reading, Advanced Writing

French: Intermediate Listener, Intermediate Speaker, Intermediate Reading and Writing

ADDITIONAL INFORMATION

DevOps & Tools: Git/GitHub, Docker ,CI/CD (GitHub Actions), VS Code, Visual Studio, Anaconda, Unity, Postman , Netbeans.