Muhammad Abubakar

Full Stack .NET Core | Twilio Developer

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ABOUT ME

Full Stack .NET Developer with 2 years of experience in building web applications and RESTful APIs using ASP.NET Core, C#, SQL Server, JavaScript, and Twilio API integration. Focused on clean code, performance, and scalable solutions

EDUCATION

University of Agriculture Faisalabad (UAF)   2019 - 2023
Bachelor in Computer Science

PROFESSIONAL EXPERIENCE

ATS SYSTEM
Translation Empire

CALL CENTER SOLUTIONS
Translation Empire

TWILIO API DEVELOPEMENTS
Translation Empire

ASL | BSL SIGN LANGUAGE
Independent Automation in Video Confrence

RETAILS APPLICANTION
Independent Projects

META WHATSAPP
Translation Empire

TWILIO WHATSAPP API'S
Translation Empire

CERTIFICATIONS

- Certified Twilio Developer
- Fundamentals ScrumMaster
- Fundamentals Kubernetes Certification, CKAD/CKA/CKS - Cloud Native Computing Foundation.
- Fundamentals AWS Certified Developer – Associate - Amazon Web Services (AWS)
- Certified Cloud Security Professional (CCSP)
- Microsoft Certified: Azure Solutions Architect Expert

TECHNOLOGY STACKS

- **C# (Main)**
- C++
- Electron JS
- Cloud API'S
- Electron .NET
- .NET Basic + Core
- Cross Platform

WORK EXPERIENCE

- **MID-LEVEL .NET DEVELOPER**
  TRANSLATION EMPIRE – *ISLAMABAD / RAWALPINDI, PAKISTAN*
  2024-NOW
  (FROM JR. .NET DEVELOPER → PROMOTED TO MID-SENIOR LEVEL)

  Key Contributions & Achievements:

  - Designed, developed, and maintained robust **.NET applications** for internal company use, improving operational efficiency and system reliability.

  - Implemented and enhanced integrations with third-party services including **Twilio APIs** — especially T**wilio Voice, Video, and WhatsApp APIs** — to support communication workflows and automate business processes.

  - Built and improved **Applicant Tracking System** (ATS) modules, optimizing hiring functions and candidate pipeline management across teams.

- **.NET DEVELOPER (INTERN)**
  LUMENSOFT TECHNOLOGIES – 116, J2 BLOCK JOHAR TOWN, LAHORE

  PART OF LUMENSOFT TOP (TALENT ONBOARDING PROGRAM)

  Key Contributions & Achievements:

  - Assisted senior developers with critical problemsolving tasks involving complex code structures when necessary
  - Interacted with other software developers, customers and stakeholders.
  - Enhanced user experience by designing and implementing intuitive user interfaces for web applications
  - **Project :** POS Application(Complete Retail Solution), Nimbus Retail Software

- **.NET DEVELOPER (SEMESTER INTERNSHIP)**
  GID SOLS – *SARGODHA*

  Key Contributions & Achievements:

  - Collaborated with team members to design, develop, and launch a user-friendly software product
  - Worked with developers to identify and remove software bugs
  - Optimized code performance by identifying bottlenecks and refactoring for improved efficiency.
  - **Project :** Desktop Based ERP conversation in Web Based Solution

TWILIO DEVELOPEMENT

- **WEB PHONE CALLING SOLUTION**

  CLOUD BASED CALL CENTER SOLUTION NO HARDWARE INVOVED

  Key Contributions & Achievements:

  - Can Use Personal and International Numbers
  - Implemented a complete call center operator flow, similar to a traditional call center environment.
  - Designed proper call routing, call management, and lead generation features for efficient operations.

- **VIDEO CONFRENCE SOLUTION**

  IMPLEMENTED REAL-TIME VIDEO CALLING USING TWILIO VIDEO APIS.

  Key Contributions & Achievements:

  - Developed one-to-one and group video conferencing functionality.
  - Enabled secure room creation, participant management, and session handling.
  - Integrated audio/video controls including mute, camera on/off, and device selection.
  - Ensured stable, low-latency communication with proper error handling and connection management.

CONVERSATION & COMMUNICATION PLATFORMS (TWILIO & WHATSAPP API)

TECHNOLOGY 'S

META CLOUD & TWILIO API'S

Key Contributions & Achievements:

- Developed a **WhatsApp-like conversation application** using **Twilio services** and **Meta WhatsApp Business API.**
- Implemented **real-time messaging, voice, video, and call features** within a single platform.
- Built a **controlled communication system** designed for HR, recruitment, and hiring processes.
- Enabled **secure candidate–HR conversations,** message history, and conversation tracking.
- Implemented **role-based access control** to manage HR teams and recruiters efficiently.

Designed the system as a **complete WhatsApp-style clone**, customized for enterprise HR workflows.

H A C K A T H O N E S

Semantic Search AI | Cohere Ai
Dec 2022 by LABLAB.AI

- Participated in a Semantic Search AI project using Cohere AI for intelligent text understanding and retrieval
- Contributed to building and optimizing AI-driven semantic search functionality.
- **Achieved 3rd position** in the competition for project innovation and performance.
- **Project :** SemantoTube

AI21 Labs Hackathon | AI21 Labs
Dec 2022 by LABLAB.AI

- Access AI21 Labs' state-of-the-art language models to build innovative applications
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CREACTIVE AI BASED PROJECTS

SemantoTube Web Application

- SemantoTube makes it easy to find the information you need in YouTube video transcripts, with advanced semanticsearch capabilities
- Find exactly what you're looking for in YouTube videos with SemantoTube's advanced search.

AI-Powered Chatbot using .NET Core & Open AI

- Real-time chat with NLP-powered responses
- Open AI integration for smart replies.
- SignalR for real-time messaging.