# Abdul Hannan

 github.com/AbdulHannan   linkedin.com/in/abdulhannan/   :abdulhannan204115@gmail.com   +92 3367890092

With over 2.5 years of experience as a .NET Core backend developer, I specialize in integrating third-party services, optimizing RESTful APIs, enhancing performance, and ensuring seamless data communication to meet complex business and technical requirements.

## Education

| University of the Education | 2019-2023 |
|---|---|
| Bachelor of Information Technology | GPA: 3.37 |

## Skills and Technologies

- **Programming Languages** | C#, SQL, JavaScript

- **Databases** | MS SQL Server, MySQL, Redis

- **Version Control** | Git/GitHub, Bitbucket

- **Cloud Services** | Azure, AWS

- **Project Management Tools** | JIRA, ClickUp, Trello

- **Tools** | SourceTree, GitHub Desktop, Postman, Docker

- **DevOps Tools** | Azure (Resources, Blob Storage, Key Vault), AWS (EC2, S3 Bucket), Terraform, Jenkins

## Experience

**1. Root Pointers** | *Senior Backend Engineer*                                    June 2024 – Present

- Developed and maintained RoomRound, a SaaS-based mobile and web application designed for hospital operations, focusing on real-time data visualization, KPI tracking, and reporting.
- Worked on key modules such as task scheduling, template creation, and employee management, optimizing hospital workflows and increasing operational efficiency.
- Engineered Vinciio, a social matchmaking app with advanced friend matchmaking, dynamic visualizations, and geolocation features to enhance user interactions.
- Implemented advanced filtering, automated push notifications, and responsive UI components to improve user experience and engagement.
- Improved query performance by 20% using better indexing and coding techniques, optimizing backend processes.

**2. Xeven Solutions** | *Software Engineer*                                    June 2023 – June 2024

- Contributed to the development of an online healthcare platform for Buch Hospital, replicating the entire hospital system in a virtual environment.
- Implemented Service-Oriented Architecture (SOA) to streamline integration and communication between hospital services, enhancing system modularity and scalability.
- Developed a high-performance API Gateway and optimized APIs to significantly improve data flow efficiency and provide secure, seamless access to healthcare services.
- Honored as the "**Most Hardworking Employee**" for consistently exceeding project milestones and contributing to the success of the team.

**3. Technoid** | *Associate Software Engineer*                                    February 2023 – April 2023

- Worked on OnBatch, an e-commerce platform allowing sellers to create their own stores and sell products to customers.
- Developed the platform to be scalable and user-friendly, enabling businesses to easily manage stores and interact with customers.
- Implemented secure data handling to protect user information, ensuring privacy across multiple tenants.
- Integrated appointment scheduling and e-commerce features to improve platform usability and increase user engagement, benefiting both sellers and buyers.

# Projects

**1. Buch Hospital** | *.NET Core 6, Service Oriented Architecture, API Gateway, AWS, Twilio*

- Developed a comprehensive hospital management system with modules for patient flow, hospital operations, and healthcare functions, ensuring seamless integration and management of daily hospital activities.
- Enhanced app performance through optimized LINQ queries, achieving a 25% reduction in data processing and retrieval times.
- Integrated AWS S3 for secure, scalable image storage, improving the management and accessibility of medical images across the system.
- Configured Ocelot API Gateway for efficient request routing, enabling load balancing, reducing response times, and ensuring high availability.
- Implemented Twilio for seamless messaging services, enabling real-time communication between patients, doctors, and hospital staff.
- Optimized key modules such as HR, Patient Management, EMR, Scheduling, and Radiology, providing a comprehensive and user-friendly healthcare solution for hospital management.

**2. Vinciio** | *.NET Core 8, Open AI Integration, Health Checks, Distributed caching(Redis), Logging(Serialog) , Auto Push Notifications, Twillio*

- Developed a feature-rich friend matchmaking app where users can like, make friends, block users, and chat, with a smooth user experience supported by .NET Core 8 and real-time geolocation handling.
- Integrated Twilio for SMS functionality and Firebase for automated push notifications, ensuring users stay connected and engaged through multiple communication channels.
- Utilized Redis for distributed caching, Serilog for robust logging, and OpenAI for advanced conversation starters, enhancing app performance, engagement, and conversational depth.
- Implemented advanced filtering and payment checks, enabling users to easily sort and manage friend requests and verify transactions, enhancing security and convenience.

**3. Room Round** | *.NET Core 8, Entity Framework, Hang Fire, Logging(Serialog), SMTP, SQL, Health Checks*

- Developed a SaaS-based application for hospitals to streamline staff management and task assignments, incorporating role-based access for tailored workflows across various departments, improving operational efficiency.
- Implemented dynamic, role-based reports with Excel export options, providing hospital administrators and managers with actionable insights into staff activities and responsibilities, improving decision-making and management.
- Utilized Hangfire to automate and schedule recurring tasks, enabling efficient ticket management and task assignment, which significantly improved task flow and reduced manual work.
- Automated up to 80% of routine hospital operations, boosting overall efficiency and allowing healthcare staff to focus more on patient care and critical tasks.
- Integrated Health Checks for system monitoring and logging of critical errors and warnings, ensuring system reliability, proactive troubleshooting, and smooth hospital operations.

**4. Door Cut** | *.NET Core 6, Entity Framework, MySQL, Payment Gateway (Stripe), QR Code, AWS (S3 Bucket, EC2)*

- Developed an online barber appointment app, enabling users to book, pay, rate services, and manage appointments through a user-friendly interface.
- Integrated Stripe as the payment gateway for secure transactions, allowing barbers to receive payments quickly and efficiently.
- Utilized AWS EC2 for scalable hosting and AWS S3 for secure image storage, ensuring high availability and safe management of customer data.
- Created QR codes for check-ins and appointment tracking, enhancing customer experience and streamlining the appointment process.

**5. On-Batch** | *.NET Core 6, Entity Framework, Identity Framework, JWT, Code First, Payment Gateway(Stripe), Dynamic Filtering*

- Developed OnBatch, a scalable multi-tenant e-commerce platform, allowing sellers to create stores and buyers to make purchases with isolated databases for improved scalability.
- Integrated Identity Framework for secure authentication and JWT for API security, ensuring the protection of user data during transactions.
- Implemented Stripe payment gateway for seamless, secure transactions between buyers and sellers, enabling smooth financial operations.
- Designed an inventory management module with dynamic filtering using Predicate Builder, improving stock control, real-time product updates, and search flexibility.