

# Mahnoor Ahmed

## Full-Stack Developer

Full-Stack Software Engineer and Data Engineer with 5+ years of experience in C# .NET, SQL Server, Python-based data engineering, and cloud system modernization. Strong experience in healthcare and enterprise environments, with expertise in reverse-engineering legacy systems, enhancing reporting systems, building scalable data pipelines, and designing analytics solutions using Power BI. Adept in Agile delivery, React development, CI/CD practices, TDD, and cross-functional collaboration.

## Experience

**October 2020 – January 2025**

MAXSOFT (Islamabad / Dubai)

### Full-Stack Engineer

- Enhanced and modernized the Lab Reporting System using C#, .NET, SQL Server, and advanced SQL analysis.
- Reverse-engineered legacy Stored Procedures to extract business logic and improve system scalability.
- Built Python-based ETL pipelines using Pandas for healthcare data processing.
- Developed RESTful APIs for secure clinical data exchange and integrated with cloud-based architectures.
- Optimized SQL workloads and improved data performance, reducing compute cost by 15%.
- Designed Power BI dashboards and SQL analytics for hospital operational improvements.
- Ensured data compliance through validation scripts, encryption, and structured access control.
- Contributed using Git/GitHub, CI/CD workflows, React components, TDD, and Agile collaboration.

### Key Projects:

#### Medicsi & Islamabad Medical Surgical Hospital

- Developed secure reporting APIs and clinical dashboards using SQL-based reporting and Power BI.
- Improved SQL query performance, storage optimization, and reporting automation.

#### Sadaqat Hospital & Biovision Hospital

- Integrated advanced patient reporting systems, improving customer retention by 15%.
- Contributed to long-term partnerships that generated a 10% revenue increase.

**January 2023 – December 2023**

Secure Finance Services (Norwest, Australia)

### Web Developer

- Built and maintained responsive financial website with real-time analytics.
- Created interactive dashboards using JavaScript and backend-driven data models.
- Designed reporting modules that translated financial metrics into actionable insights.
- Developed user-friendly interfaces using HTML5 and CSS3 to enhance usability and improve the overall user experience.

## Additional Experience

**May 2025 - December 2025**

Legacy Promotions Assistant–Macmillan Cancer Support(London, UK)

- Managed CRM data to support teams, culture, and people growth.
- Gave Power BI insights for events, helping teams drive ideas and overcome challenges.
- Led event execution, strengthening team culture, ideas, and organisational growth.

## Projects and Initiatives

Member – Khwahish Foundation - 2021-2023

- Developed donor analytics dashboards and campaign tracking database.

Lead Frontend Engineer (Volunteer) – Unify Giving, London (Jan 2025 – Jun 2025) • Coordinated API integrations with backend engineers and improved analytics-driven UI flows.

## CONTACT

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## EDUCATION

**Bachelors of Software Engineering – NUST (Islamabad)**

August 2017 – June 2021

## CORE SKILLS

- C# Full Stack .NET Development (ASP.NET, SQL Server)
- Python Data Engineering (SQL, Pandas)
- Reverse Engineering Stored Procedures & Legacy Systems
- Reporting & Analytics: Power BI, SQL Reporting • DevOps: Git, GitHub, CI/CD
- Cloud-Based Engineering , RESTful APIs
- Frontend: React.js, Next.js, Angular
- Backend: C# .NET, Node.js (Express), REST APIs

## TOOLS & TECHNOLOGIES

C# | .NET | SQL Server  
| Python | Pandas | Git  
| CI/CD | React |  
Power BI | Playwright |  
PyTest | Azure | REST  
APIs | Node.js