

# Muhammad Shahryar

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## Education

**National University of Computer & Emerging Sciences (FAST)**  
*Bachelors in Computer Science* (Aug,2017 - June,2021)

## Experience

- IQTech Solutions, London UK (Remote)** (August.2024 - Present)
  - Designed and implemented infrastructure as code (IaC) solutions using Pulumi in a .NET Core environment, managing multiple pipelines and automating deployments with Microsoft Azure DevOps.
  - Developed an automated testing framework using Playwright to validate Azure resources retrieved via Azure SDK and Microsoft Graph API.
- Software Digital, Karachi** (July.2024 - Present)
  - Developed middleware solutions using .NET C# for SAP Qualtrics and provided direct client support to notable organizations, including Ooredoo and Etisalat.
- BrainCrop Solutions. Karachi** (May,2023 - July,2024)
  - Develop web applications using ASP.NET Core .NET 8 and SQL, enhancing efficiency with micro-services.
  - Improve scalability and performance by deploying Docker for seamless application management.
  - Apply domain-driven design and CLEAN architecture, reducing code-base complexity by 25%.
  - Create and integrated Crystal Reports for comprehensive data analysis and reporting.
- Innovative Pvt. Ltd. Karachi** (Aug,2021 - June2022)
  - Created and supported web applications ensuring high performance and reliability.
  - Participated in architecture, design and implementation of back-end features using C#, .NET and Database
  - Reviewed project specifications and designed technology solutions that met or exceeded performance expectations, resulting in a 20% improvement in system efficiency.

## Certificates

JavaScript Algorithms and Data Structures , freeCodeCamp (November,2023)  
Introduction to Salesforce CRM , 10PearlsUniversity (February,2023)  
Git Versioning , DataCamp (June,2020)  
AWS Fundamentals: Going Cloud-Native , Coursera (April,2020)

## Projects

- Reporting Module** | Crystal Reports, C#, SQL, Oracle
  - Implemented email notifications using Mailgun to send reports to respective users after 24 hours.
  - Configured event-based report generation for critical events such as ATM outages and downtime.
  - Ensured seamless integration with database systems for data retrieval and report generation.
- Service Monitoring Agent** | ASP.NET, C# , SQL
  - Implemented automatic restart of services if they are found to be not running.
  - Stopped services and sent notifications if they failed to restart.
  - Enhanced system reliability by automating service health checks and notifications.

## Technical Skills

- Languages:** C#, C++, JavaScript
- Frameworks and Tools:** ASP.NET Core, MVC, .NET 8, Node, Azure, Git, Docker, Crystal Reports
- Database Management:** SQL, Oracle, MongoDB
- Architecture and Design Patterns:** Microservices, Clean Architecture, CQRS, Repository Pattern