Md Shuvo

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Full stack .NET developer seeking full-time/part-time opportunities in software design & development.

Career Summary

Experienced **full-stack .NET developer** with a strong track record in software design, development, and deployment in Azure DevOps. Seeking opportunities to leverage skills in system development, secure coding practices, and operational efficiency.

Professional Experience

Senior System Developer | *HEO | Foreign, Commonwealth and Development Office, UK.*   *June 2019 - December 2023*
- Led software and infrastructure development for the UK aid tracker, resulting in an 80% increase in application efficiency.
- Designed and managed **CI/CD** workflows for application deployment, reducing the release cycle by 40%.
- Implemented **OWASP** secure coding practices, reducing security vulnerabilities by 25%.
- Conducted data analysis and published transparency data in the public domain.
- Automated data publication process by integrating **EDRM** with transparency data publisher, reducing human interaction by 90%.

System Developer | *Foreign, Commonwealth and Development Office, UK.*   *March 2013 - May 2019*
- Analyzed project specifications, ensuring optimal code performance.
- Executed unit tests, debugged code, and consistently maintained to uphold code quality and compliance with standards.
- Developed and integrated **WebAPI**'s, maintaining accessibility standards.
- Spearheaded application operations, devised agile dev strategy, and improved documentation for peak performance.

Executive IT | *Pacific Bangladesh Telecom Limited*, Bangladesh.   *June 2012 - March 2013*
- Implemented automation initiatives, increasing operational efficiency by 25%.
- Collaborated in cross-functional activities, including application development and data analysis.

Executive IT | *Uttara Group of Companies Limited*, Bangladesh.   *December 2010 - May 2012*
- Programmed a comprehensive **enterprise resource planning** system using the **.NET** framework and **MSSQL** database.
- Designed and developed a real-time inventory management system, reducing manual tasks by 90%.

Consultancy

Dev Consultant | *Implement Blockchain to Fortify Security in Drone Networks | Australia.*   *October 2022 - Current*
- Leading the implementation of blockchain in a drone network to achieve a substantial 30% reduction in security breaches.
- Utilizing Debian OS, **NS3 simulator, Python, PostgreSQL**, and various data visualization tools.

Software Development Consultant | *Addie Soft Ltd | Bangladesh.*   *June 2014 - December 2014*
- Guided education ERP life-cycle as the lead Software Development Consultant, overseeing operations in 100+ institutes.
- Implemented an Azure Cloud deployment strategy to deploy multiple instances efficiently.

Skills

Language	**C#**, Java, Python, T-SQL, LINQ, LaTeX.
Framework	**.Net Core**, .Net Framework, ASP.NET, ADO.NET, Entity Framework, WCF, WPF, WF.
Architecture	OOP, **Microservices**, SOLID, **CQRS Design Pattern**, API design(REST, SOAP), N-Tier.
Database	**MSSQL Server**, MySQL, SQLite, Mongo DB, PostgreSQL.
Web	HTML, CSS, UI/UX, Bootstrap, **JavaScript**, JQuery, JSON, XML, TypeScript, React, Angular, Vue.js, Ajax.
Methodologies	Agile, Scrum, TDD, CI/CD pipelines, Trello, Teams, ADO Board.
Source Control	SVN, GitHub, Bit bucket, TFS.
Testing	Unit test, Regression test, Selenium, Automated load testing.
Tooling	Visual Studio IDE, NuGet(package manager), **Azure DevOps**, MSBuild, xUnit, NUnit, MSTest.
Data Analysis	SSIS, SSAS, SSRS, MS Excel, **Power BI**.
Other	Technical Documentation, MS Reports, Crystal Reports, JIRA.

Education

Master of Science (M. Sc.) in Computer Science   *Sherbrooke, Quebec*

Bishop's University.   *January 2024 - Current*
- **Courses:** Advanced Software Engineering | ML | IoT | Artificial Intelligence | Data Science | Data visualization.

Professional Master of Science (M. Sc.) in Computer Science & Engineering *Bangladesh*
Jahangirnagar University. *September 2015 - October 2016*
- **Courses:** Advanced Database | Project Management | Management Reporting | Cloud Computing | Neural network.

Bachelor of Science (B. Sc.) in Computer Science & Engineering *Bangladesh*
Khulna University. *September 2005 - November 2010*
- **Courses:** Programming | Data Structure | Algorithm | Simulation | Statistics | Discrete Mathematics | Calculus.

Training

2017	**Developing Solutions for Microsoft Azure**, Microsoft Certificate Training: ASP.NET, MVC, MSSQL, Azure.	*Iverson, Malaysia.*
2015	**Developing ASP.NET 5.0 MVC Web Applications**, Microsoft Certificate Training.	*Iverson, Malaysia.*
2014	**Developing Data Access Solutions using Visual Studio & EF**, Microsoft Certificate Training.	*Iverson, Malaysia.*
2013	**Developing Web Applications with Microsoft Technology**, Microsoft Certificate Training: MVC, Azure.	*Info Trek, Malaysia.*

Certificates

AZ-400: Designing and Implementing Microsoft DevOps Solutions *Microsoft*
Azure DevOps solutions architect expert certification course. *Excepted - March 2024*
- CI/CD | Repos | IaC | Configuration and Secrets | Services & Server | Release | Security & Compliance | AKS.

BCS Practitioner Certificate in Agile *United Kingdom*
The chartered institute for IT. *October 2017*
- Certificate Number: 394202 | Candidate Number: WV36447259.

Projects

Aid Management Platform *January 2016 - December 2023*
UK government's core business solution for aid distribution and tracking.
- ASP.NET Core, JavaScript, Angular, CQRS design pattern, MSSQL, Web API, GitHub, Azure DevOps.

ERP Solution *December 2010 - May 2012*
Integrated business processes, consolidating functions for enhanced efficiency and decision-making.
- C#, ASP.Net, JavaScript, JQuery, MSSQL, Remote server integration.

Inventory Management System of Vehicle Parts *December 2010 - June 2012*
Developed an inventory management system with all management reports.
- ASP.Net, JavaScript, Ajax, HTML, CSS, MSSQL, IIS

Purchase Order Solution *October 2013 - May 2014*
Streamlined procurement processes, tracking, management, and optimization of purchases.
- ASP.NET, MSSQL, JavaScript, JQuery, bootstrap, IIS, SSRS, Crystal Report.

ETL System for Pacific Bangladesh Telecom Ltd. *July 2012 - March 2013*
Implemented ETL solutions for the billing department.
- MSSQL, SSIS, SSAS, SSRS, IIS, WebUI, Crystal Report.

Extracurriculars

Associate Member. *Bangladesh Computer Society* | Bangladesh. *January 2015 - December 2023*
- Attended seminars and tech conferences on systems, ethical hacking, IT governance, cloud security, and privacy regulations while developing public domain applications.

Languages

English Professional proficiency.
French Beginner proficiency (**DELF A1**).