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With over 16 years of experience in .NET application development, I specialize in building scalable, secure, and user-centric solutions for enterprise, financial, e-commerce, and nonprofit sectors.

Currently, I serve as a Software Development Consultant for UNDP Thailand, contributing to high-impact global initiatives that drive digital transformation and operational efficiency.

I'm passionate about solving complex challenges, exploring AI-driven innovation, and delivering solutions that create real business value.

Let's connect and build something meaningful.

TECHNICAL SKILLS

Languages/Tools	C#, Python, VS 2013/2019/2022, VS Code
Web development	ASP.NET Core 3.1, .Net 6/8, Asp.net MVC, Web API, REST, SOAP, Hangfire, SendGrid
Front End Development	HTML5, CSS3, Java Script, ES6, jQuery, Ajax, XML, JSON, Bootstrap, razor
Cloud	Azure Services, SharePoint Online
AI	Open AI, Azure Open AI, Azure Cognitive Services, ML.net
DB	SQL server, Oracle 11g, MongoDB, Data Cube
Version Control	Git, GitLab, GitHub, SVN
DevOps	Azure DevOps, Github Action, Docker, Jira
Logging	NLog, ILogger, Log4Net
Security	Asp.net Identity, JWT, OWASP, HTTPS, OAuth
Hosting	IIS, Azure, Docker
E-commerce	NopCommerce 4.5
Reporting Tools	Crystal Report, RDLC, HighChart

JOB EXPERIENCE

➢ **UNDP, Thailand**   **Dec 2022 to Present**
  POSITION: Consultant, Software Development

PROJECT: Country Portfolio Management Platform – Global Development Organization

Description: Designed and developed a comprehensive Country Portfolio Management platform to visualize and assess the 360° performance of 100+ countries across key programmatic and financial dimensions. The system enables strategic oversight and data-driven decision-making for international development initiatives.

Performance Categories:

- Country Programme Overview
- Programme Performance – Delivery & Resource Mobilization
- Financial Sustainability
- Programme Performance – Financial Management
- Programme Performance – Risk Management

Key Features:

- **Version-Controlled Final Reviews**: Enabled secure versioning for user-submitted assessments and observations.
- **Rich Data Inputs**: Supported comments, images, and interactive charts/graphs sourced from Azure SQL, Data Cubes, and SharePoint libraries.
- **Flexible Content Sequencing**: Allowed users to reorder visual and textual elements based on contextual relevance.
- **Role-Based Access Control**: Implemented granular permissions to restrict section visibility based on user roles.
- **AI-Driven Insights**: Integrated Azure OpenAI to generate contextual feedback on charts and overall country performance.
- **Export Capabilities**: Provided export options for full or partial reports in PDF and Word formats for offline sharing and documentation.

Responsibilities:

- Led end-to-end analysis, design, and development of the platform architecture and feature set.

Environment: ASP.NET, C#, Highcharts, Azure OpenAI, Azure DevOps (CI/CD), Data Cube, SharePoint Online

PROJECT: Mission Travel Approval System – UNCDF

Description: Designed and implemented a secure web-based Mission Travel Approval system to streamline UNCDF's international travel processes. This platform supports official mission approval across 40+ countries, ensuring compliance with BSAFE training and SSAFE protocols where applicable.

Key Features:

- Automated Travel Request Workflow: Enabled UNCDF personnel to submit mission requests digitally, with auto-routing to Supervisors, Regional Team Leads, and Travel Approvers.
- Email Notifications & Role-Based Approvals: Integrated dynamic approvals with auto-generated PDF documentation.
- Power BI Integration: Developed dashboards and analytics for mission trends and approval metrics.
- Robust User Roles: Supported multi-level roles including Requestor, Supervisor, Regional Team Lead, and Travel Approver.
- Compliance & Security: Ensured alignment with UN travel safety frameworks and data protection policies.

Environment: C#, ASP.NET MVC, Azure SQL, SharePoint Online, Azure DevOps (CI/CD), Hangfire, OWASP compliance, Power BI

PROJECT: Migration from SharePoint On-Premise to SharePoint Online – Enterprise Client

Description: Led the end-to-end migration of legacy SharePoint On-Premise environments to SharePoint Online, modernizing collaboration infrastructure for improved scalability, security, and remote accessibility. The project involved restructuring site collections, optimizing content types, and ensuring seamless integration with Microsoft 365 services.

Responsibilities:

- Discovery & Assessment: Conducted detailed audits of existing SharePoint farms, identifying custom workflows, third-party integrations, and deprecated features.
- Migration Planning & Execution: Designed phased migration strategy using SharePoint Migration Tool (SPMT).
- Modernization & Optimization: Refactored classic pages into modern SharePoint experiences, enabling responsive design.
- Security & Governance: Implemented role-based access controls, data retention policies, and compliance.
- Training & Support: Delivered documentation and hands-on training for site owners and end users to ensure adoption and operational continuity.

Environment: SharePoint On-Premise (2013/2016), SharePoint Online, Microsoft 365, PowerShell, SPMT, Azure AD, Teams, Asp.net MVC, Azure SQL, C#, Azure DevOps, Git

➢ **BRAC IT SERVICES LIMITED, DHAKA, BANGLADESH**   **Nov 2023 to Jun 2024**
  POSITION: Lead Software Engineer (Permanent, Full-time)

PROJECT: Digital Marketplace

Description: Developed for the BRAC Procurement Department (BPD) to streamline the procurement of goods, equipment, and services across multiple programmes. The Digital Marketplace enables quick purchases through a personalized user experience, live configuration of Framework Agreements (FWA), and order placements based on approved requisitions.

Responsibilities:

- Conducted requirement analysis and prepared the SRS in collaboration with the Business Development team.
- Managed and monitored project progress, making necessary adjustments.
- Collaborated with project managers and stakeholders to define requirements and timelines.
- Co-developed key features using NopCommerce 4.5, .NET 6, and Web API.
- Troubleshot and resolved technical issues.
- Led and mentored a team of developers.

Environment: ASP.NET Core MVC, C#.NET, Visual Studio 2022, .NET 6, SQL Server 2016, NopCommerce 4.5, Web API, Postman, Swagger, Fluent Validation, AutoMapper, LINQ2DB, Redis, Razor, Bootstrap, jQuery, ES6, GitLab, JIRA.

➢ **BRAC IT SERVICES LIMITED, DHAKA, BANGLADESH**   **Apr 2015 to Oct 2023**
  POSITION: Sr. Software Engineer (Permanent, Full-time)

PROJECT: PRO-LOAN – Automated Loan Sanctioning System

Description: Automated the collection of CIB data from the central bank and integrated it into the loan sanctioning system, reducing manual effort by automating the download of thousands of applications via Selenium automation.

Responsibilities:

- Designed and developed change requests (CR) per client requirements.
- Implemented robotic processes using Selenium automation.
- Developed a web application for configuration, administration, and report generation using ASP.NET MVC and C#.
- Created database tables, views, and stored procedures in SQL Server 2016.
- Authored stored procedures and complex SQL queries.
- Managed version control with GitLab.
- Developed transactional, financial, and analytical reports.

Environment: ASP.NET Core 3.1, C#.NET, LINQ, EF Code First, Visual Studio 2019, SQL Server 2016, T-SQL, Razor, Bootstrap, Selenium, CSS, JSON, JavaScript, AJAX, jQuery, ASP.NET Identity, GitLab, JIRA.

<div align="center">**PROJECT: Integrated Remittance & Payment Services Platform**</div>

- **MREMIT – Remittance Management System:** A multi-agent, multi-channel money transfer system for banks, MNOs, FX houses/MTOs, and retailers. It enables users to send/receive money via agents/bank branches, ATMs, EFT, POS, mobile wallets, and prepaid cards. The system integrates continuously with leading exchange houses (e.g., Transfast, RIA Continental, Xpress Money, MoneyGram, Placid, Brac Saajan, Al Ansari, UAE Exchange, World Remit, etc.).
- **MTC Web Service (Brac Bank API for Exchange Houses):** A core SOAP (and increasingly RESTful) API that integrates Brac Bank with 20+ exchange houses, supporting various payment modes including direct credit, EFT, pay cash, and bKash.
- **BBL-bKash Real Time Integration:** A middleware that enables BBL Internet Banking users to add beneficiaries and execute fund transfers to bKash wallets. This component integrates with CBS, user notification services, BBL IB, and bKash API via asynchronous callbacks.

Responsibilities:

- Collaborated in requirements gathering and prepared detailed SRS documentation.
- Led system analysis, workflow design, and overall architectural planning across modules.
- Designed and developed back-end solutions using ASP.NET Core 2.0 and ASP.NET Web API (with C#/Entity Framework), employing repository patterns and asynchronous callback techniques.
- Authored complex SQL queries and user-defined functions; maintained databases on SQL Server (2014–2016) and Oracle (11g/12c).
- Managed source control and continuous integration using GitLab (and SVN where applicable).
- Developed on-demand transactional, financial, and analytical reports.

Environment: ASP.NET Core 2.0 / ASP.NET Web API (.NET Framework 4.7), C#.NET, Entity Framework Code First, Visual Studio 2017, SQL Server (2014–2016), Oracle (11g, 12c), T-SQL, PL/SQL, HTML, CSS, JSON, JavaScript, AJAX, jQuery, RDLC, Swagger, Postman, IIS, GitLab, SVN.

<div align="center">**PROJECT: Vulnerability Risk Management**</div>

Description: Assessed vulnerabilities in select Brac Bank applications and mitigated risks by addressing security issues including Cross-Site Request Forgery (CSRF), session hijacking, cross-site scripting, clickjacking, SQL injection, heap inspection, CAPTCHA challenges, and more.

Responsibilities:

- Reviewed vulnerability assessment scanning reports.
- Implemented solutions to mitigate identified weaknesses.
- Collaborated with testers to understand issues and prepare test cases.
- Led UAT and managed deployment.

Environment: ASP.NET, C#.NET, Visual Studio (2017/2015/2010), .NET Framework (3.5–4.7), SQL Server (2008/2014), T-SQL, Oracle 12c, PL/SQL, HTML, CSS, JSON, JavaScript, AJAX, Crystal Reports 11, IIS, SVN.

PROJECT: Advertisement Booking & Order Management System (for Prothom Alo)

Description: Developed for Prothom Alo, this advertisement booking platform integrates with Sage Accpac ERP as the financial backbone. It features an interactive WYSIWYG editor that allows users to create and adjust ad blocks via drag-and-drop.

Responsibilities:

- Gathered requirements, performed system analysis, and designed workflows and the database.
- Designed and implemented the front-end UI.
- Developed ASP.NET MVC web APIs using C#, Entity Framework.
- Created SQL Server 2012 tables, views, stored procedures, and complex queries with user-defined functions.
- Managed version control using TortoiseSVN.
- Built transactional, financial, and analytical reports with Crystal Reports 11.

Environment: ASP.NET 4.0, C#.NET, Visual Studio 2012, .NET Framework 4.5, SQL Server 2012, T-SQL, PL/SQL, HTML, CSS, JSON, JavaScript, AJAX, jQuery, Crystal Reports 11, IIS, SVN.

PROJECT: Field Force Management (for SK+F Pharma)

Description: Designed for SK+F Pharmaceuticals, this system manages Medical Representative Officers (MSOs) along with their supervisory hierarchy (FM, RSM, NSM). It tracks territory assignments, field activities (doctor/chemist visits), and generates analytical reports.

Responsibilities:

- Designed and developed ASP.NET Web Forms with code-behind modules using C#.
- Created and maintained SQL Server 2008 tables, views, and stored procedures.
- Developed comprehensive transactional, financial, and analytical reports using Crystal Reports 11.

Environment: ASP.NET, C#.NET, Visual Studio 2010, .NET Framework 4.0, Web Forms, SQL Server 2008, T-SQL, HTML, CSS, JSON, JavaScript, Crystal Reports 11, IIS, Windows Server 2008.

➤ **TRANSCOM LIMITED, DHAKA, BANGLADESH**   **April 2008 to Dec 2011**
   POSITION: Jr. System Analyst

Field Force Management System: Developed a solution for SK+F Pharmaceuticals to manage Medical Representatives (MSOs) and their hierarchical reporting (FM, RSM, NSM) with dynamic territory changes and robust analytical reporting using ASP.NET, C#, SQL Server, and Crystal Reports.

Leave Management System (Web & Android): Built a cross-platform application featuring leave setup, application, and approval—with automated email and mobile notifications.

SMS Gateway Payment Tracking: Engineered both desktop and web applications to process and track bank SMS payment notifications, ensuring timely financial reporting.

Vehicle Management System: Created a desktop tool for fleet management, tracking vehicle details, mileage, and maintenance schedules to boost operational efficiency.

Financial Reporting System: Designed and implemented comprehensive financial and transactional reports via Crystal Reports for multiple business units.

PROFESSIONAL ACHIEVEMENTS

- Employee of the Month, February 2016 at Brac IT Services Limited
- Best team of the Quarter, July,2017 at Brac IT Services Limited

PROFESSIONAL MEMBERSHIP

- Member of PF/GF trustee board at Brac IT Services Limited
  Period (2016 - 2018)

EDUCATION

- Degree   : M.Sc. in Computer Science & Engineering
  University   : Jahangirnagar University, Savar, Bangladesh
  Period   : 2017 – 2018

- Degree   : B.Sc. (Honors) in Computer Science & Engineering
  University   : United International University, Dhaka, Bangladesh
  Period   : 2003 – 2007