

DEBORAJ ROY

Software Engineer · ASP.NET Core & Enterprise Systems

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SUMMARY

Software engineer with 2+ years of experience designing and delivering enterprise-grade ERP, distribution, and business systems. Proven track record shipping production software to **10+ clients** across manufacturing, sales, inventory, and service domains. Passionate about clean architecture, SQL performance, and scalable multi-tenant systems. Seeking a **Senior Software Engineer** role where I can drive technical strategy and mentor teams.

TECHNICAL SKILLS

Languages & Frameworks	C#, .NET 8, ASP.NET Core MVC, ASP.NET Core Web API, Entity Framework Core, LINQ
Frontend	Angular, TypeScript, HTML5, CSS3, JavaScript, RDLC Reports
Databases	SQL Server 2019, Stored Procedures, Triggers, Query Optimisation, MySQL, Oracle (basic)
Architecture	ERP Systems, Microservices, REST APIs, JWT / OAuth2, Multi-tenant Architecture, Clean Architecture, ACID Transactions
Cloud & DevOps	Docker, AWS (EC2, S3, Solutions Architect), Azure (familiar), cPanel, Linux, CI/CD basics
Tools & Testing	Visual Studio, SSMS, Git, TortoiseGit, Docker, xUnit, NUnit, Sublime Text

PROFESSIONAL EXPERIENCE

Software Engineer

Oct 2023 – Present

PlayOn 24 · Dhaka, Bangladesh Tech: ASP.NET Core · C# · SQL Server · Angular · RDLC · Docker · REST APIs

- Designed and built enterprise ERP systems covering sales, inventory, manufacturing, distribution, and service operations — delivered to **10+ clients** with tailored configurations per business unit.
- Developed scalable multi-branch, multi-user architecture with a structured workflow engine: Order Request → Approval → Department Processing → Final Confirmation.
- Engineered end-to-end manufacturing lifecycle: Bill of Materials (BOM), raw material import, semi-finished goods (SFG) processing, QC verification, final assembly, packaging, and delivery tracking.
- Built multi-level distribution module (Dealer → Retailer → Distributor → ASM → TSO) with IMEI-based product tracking and real-time inventory synchronization.
- Implemented service management: product intake, technician workflow, parts tracking, delivery documentation, customer SMS notifications, and payment processing.
- Built RDLC reporting suite (daily/monthly/yearly sales, purchase, invoice, returns, service); interactive dashboards for branch-wise performance, top products, and profit analytics.
- Optimized SQL Server performance via stored procedure refactoring, indexing strategies, efficient triggers, and ACID-compliant transaction handling.
- Designed modular architecture supporting feature-level customization per client, role-based access control, and admin-configurable system behavior.

Server Engineer

Aug 2022 – May 2023

Bengal Software · Bashundhara, Dhaka Tech: Laravel · MERN · cPanel · AWS S3 · EC2 · Linux

- Deployed and managed Laravel and MERN stack applications across production Linux hosting environments.

- Handled mail configuration, cPanel management, database management, website backup, and deployment environment setup.
- Integrated AWS S3 storage, managed EC2 instances, configured auto-scaling groups, maintained backup systems, and set up VPN infrastructure.

SELECTED ENTERPRISE PROJECTS

The following systems were designed, developed, and delivered as part of professional employment at PlayOn 24. Source code is proprietary and under client NDA.

Deens Mobile — POS & Enterprise ERP

PlayOn 24 · Client Production System · ASP.NET Core, C#, SQL Server, Angular, RDLC

- Built a multi-branch POS and ERP system supporting bulk purchase processing, real-time inventory management, and accurate stock synchronization across branches.
- Designed multi-user sales workflow engine: Order → Approval → Checkout → Final Sale, with department-level role assignments and permission controls.
- Implemented IMEI-based product tracking, quantity-based sales logic, and admin-controlled system module toggling per client configuration.
- Developed RDLC reporting for daily, monthly, and yearly sales, profit analytics, and branch performance dashboards.

Mango Mobiles — Sales & Distribution Platform

PlayOn 24 · Client Production System · ASP.NET Core, C#, SQL Server, Angular

- Delivered an enterprise sales and distribution system for mobile and accessories with structured approval-based order workflow and multi-client deployment.
- Designed multi-level distribution chain (Dealer → Retailer → Distributor → ASM → TSO) with sales tracking and performance monitoring at each tier.
- Built an accounting module with optional Angular-based microservice integration, enabling modular feature rollout per client.
- Maintained a single code base serving multiple client organizations through modular, customization architecture.

ERP Sale Extra — Manufacturing & Warehouse System

PlayOn 24 · Client Production System · ASP.NET Core, C#, SQL Server, Angular, RDLC

- Built an end-to-end ERP for mobile manufacturing covering Bill of Materials (BOM), raw material import, semi-finished goods (SFG), Quality Control (QC), assembly, and packaging.
- Designed full production pipeline: Warehouse → Production → QC → Assembly → Delivery, with complete component and stage traceability.
- Implemented warehouse-to-production workflows ensuring full audit trail and stock accuracy across all manufacturing stages.
- Built dashboards with real-time sales analytics, profit trend tracking, and branch performance reports using RDLC.

OPEN SOURCE & PERSONAL PROJECTS

ASP.NET Core Microservices (.NET 8)

GitHub · Live Demo

- Microservices-style demo with separate API and worker services, deployed via Cloudflare Workers with CI-friendly Docker images. Demonstrates clean service boundaries, container orchestration, and edge deployment.

Library Management System — Single Page Application

GitHub · Live Demo

- Full-stack SPA with ASP.NET Core Web API backend and Angular frontend. Implements JWT authentication and dynamic role-based access control (RBAC) with full database modeling.

eTicket — eCommerce Platform

[GitHub](#) · [Live Demo](#)

- Full eCommerce web app with product catalog, cart, checkout, and payment flow using ASP.NET Core MVC (.NET 7). Includes backend features, payment integration, and cloud deployment.

EDUCATION

BSc in Computer Science & Engineering

Jan 2019 – Dec 2022

American International University-Bangladesh (AIUB) · CGPA: 3.65/4.00

Higher Secondary Certificate (HSC)

Mar 2015 – Dec 2016

Sunflower School & College, Saidpur, Nilphamari · GPA: 4.67/5.00

CERTIFICATIONS

Full Stack ASP.NET Core MVC Web Development — *DevSkill*

Sep 2023 – Apr 2024

Professional Programming with C# — *DevSkill*

Jan – Apr 2023

ASP.NET Core MVC — Build a Complete eCommerce App — *Udemy*

Jan 2024

AWS Services for Solutions Architect Associate — *Udemy*

Nov 2022

ADDITIONAL

Languages

English — Full Professional Proficiency Bengali — Native

Interests

Photography · Traveling · Chess · Competitive Programming

Achievement

Duke of Edinburgh's International Award — Gold Standard