

PAYAL BERA

SOFTWARE DEVELOPMENT ENGINEER

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PROFESSIONAL SUMMARY

- Motivated and detail-oriented Software Developer with hands-on experience in **Blazor Server, ASP.NET Core, EF Core, SQL Server, and C#**, complemented by a strong foundation in software development and system analysis.
- Proven ability to contribute across the **full stack**, from designing user interfaces to implementing backend logic and managing data persistence in dynamic business environments.
- Skilled in supporting and testing **ERP systems (Microsoft Dynamics 365 Business Central)** with a focus on **Finance, POS, and Supply Chain** modules, including bug tracking, process documentation, and SOP creation.
- Successfully led cross-functional projects such as **digital signage implementation**, improving communication workflows through complete lifecycle execution—from planning to deployment.
- Proficient in tools such as **Visual Studio, Azure DevOps, JIRA**, and knowledgeable in software lifecycle, OOP concepts, and database design; currently enhancing expertise in **APIs, authentication, and modern architecture patterns**.
- Immediate joiner with strong adaptability, collaborative mindset, and a commitment to delivering clean, maintainable, and user-focused code.

TECHNICAL SKILLS

- **Languages:** C, C++, C#
- **Frameworks:** ASP.NET Core, Blazor
- **Web Technologies:** HTML, CSS
- **Databases:** SQL Server, MySQL
- **Tools:** Visual Studio, Visual Studio Code
- **Other:** SDLC, OOP, Git (basic), JIRA (basic)

EXPERIENCE

Information Technology Associate

June 2024 – Present

Aisshpra Gems & Jewels

Uttar Pradesh, India

- Collaborated with cross-functional teams to support and test ERP modules (Finance, POS, SCM) in Microsoft Dynamics 365 Business Central, ensuring data accuracy, process reliability, and bug resolution.
- Documented detailed Standard Operating Procedures (SOPs) and created structured datasets, streamlining process handovers and enhancing onboarding for new users.
- Led the end-to-end implementation of a digital signage system across multiple retail locations, improving internal communication and operational workflow.
- Provided ongoing technical support and application troubleshooting, resulting in faster issue resolution and improved system stability.
- Coordinated with backend developers to test new features, report bugs, and validate updates before deployment, ensuring smooth feature rollouts.
- Assisted in data collection, system configuration, and testing across various business functions, contributing to process optimization and system adoption.
- Facilitated user training and provided hands-on assistance to non-technical users, increasing software utilization and confidence across departments.

PROJECTS

Task Tracker Web App

Blazor Server | ASP.NET Core | EF Core | SQL Server

- Developed a full-stack task tracking application to manage daily activities for internal use.
- Designed dynamic UI with Blazor Server to enable real-time task interaction and updates.
- Implemented secure user authentication and role-based access using ASP.NET Core Identity.
- Performed CRUD operations with EF Core using a Code-First approach.
- Used SQL Server for storing user data, task details, and activity logs.
- Followed clean architecture practices for modularity, scalability, and easy maintenance.

Zoo Management Web App

Blazor Server | ASP.NET Core | EF Core | SQL Server

- Developed a zoo management system to track animals, feeding schedules, and caretaker actions.
- Created interactive UI using Blazor Server for displaying, sorting, and filtering animal data.

- Implemented a feeding log system with timestamp tracking and persistent data storage.
- Used EF Core for database operations, including animal records and feeding history.
- Integrated SQL Server as the backend to manage zoo entities and caretaker details.
- Focused on user experience, component reusability, and clean backend logic for scalability.

EDUCATION

Master of Computer Applications

MAKAUT University

Narula Institute of Technology, Kolkata

West Bengal, India

Bachelor of Computer Application

MAKAUT University

Narula Institute of Technology, Kolkata

West Bengal, India

CERTIFICATION

PHP & MySQL Industrial Training

Ardent Computech Pvt. Ltd.

- Gained practical experience in developing dynamic web applications using PHP and MySQL.
- Learned how to build server-side scripts, connect databases, and handle form data securely.
- Worked on small-scale projects involving user authentication, CRUD operations, and database interactions.
- Developed understanding of web integration, session handling, and error management in PHP applications.
- Training focused on hands-on exercises to strengthen core backend web development skills.

Problem Solving Through Programming in C – NPTEL Certification

Offered by IIT Kharagpur (via NPTEL)

- Completed a government-recognized certification focused on algorithmic thinking and structured programming using C language.
- Gained proficiency in loops, functions, arrays, and pointers while solving real-world programming problems.
- Understood memory management, recursion, and debugging techniques.
- Improved logic-building skills essential for Data Structures & Algorithms.

A Crash Course in Data Science – Coursera

Offered by Johns Hopkins University (via Coursera)

- Completed foundational coursework in data science concepts, processes, and lifecycle.
- Gained high-level exposure to data wrangling, statistical thinking, and machine learning basics.
- Learned to interpret data-driven decisions and assess the role of data in real-world applications.
- Built awareness of industry-standard tools, practices, and ethical considerations in data science.

DECLARATION

I hereby declare that the information provided in this form is true, complete and accurate to the best of my knowledge.