DURGESH KUMAR

Full Stack .NET Developer | ASP.NET Core | C# | SQL Server | REST API

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PROFESSIONAL SUMMARY

Results-driven Full Stack .NET Developer with 2 years of hands-on experience (including internship) building enterprise web applications using ASP.NET Core, C#, Entity Framework Core, SQL Server, and REST APIs. Diploma holder in Computer Science Engineering (BTEUP, 2024) with ongoing B.Tech. Proven expertise in database design, SQL query optimization (30% performance gain), JWT Authentication, and dynamic email template systems. Delivered 5+ enterprise platforms (HRMS, CRM, E-Commerce, Email Marketing) in Agile environments using Repository Pattern, Unit of Work, and Dependency Injection. Currently working as a Software Developer and Trainer, combining full-stack development with mentoring and training responsibilities.

TECHNICAL SKILLS

Backend: ASP.NET Core, ASP.NET MVC, C#, Entity Framework Core, ADO.NET, LINQ, REST API, Web API, Background Services, Email Services

Frontend: HTML5, CSS3, JavaScript, jQuery, Bootstrap 5, Tailwind CSS, AJAX, Responsive Web Design

Database: SQL Server, MySQL, Stored Procedures, Query Optimization, Database Design, Indexing, Normalization

Security: JWT Authentication, Role-based Authorization, ASP.NET Core Identity, Cookie-based Auth

Patterns & Tools: Repository Pattern, Unit of Work, Dependency Injection, MVC, Git, GitHub, Swagger, Postman, Visual Studio 2022

WORK EXPERIENCE

Software Developer & Trainer

July 2026 – Present

Inspizone India Pvt. Ltd., Lucknow

- Continue building and maintaining full-stack ASP.NET Core applications, extending the same architecture practices (Repository Pattern, Unit of Work, Dependency Injection) used across earlier enterprise projects.
- Conduct training sessions for junior developers and interns on ASP.NET Core, C#, Entity Framework Core, and REST API development.
- Mentor new team members on coding standards, Git workflows, and debugging practices, supporting onboarding into live projects.
- Collaborate on database design, API development, and code reviews for ongoing client applications.

Software Developer — .NET / ASP.NET Core

March 17, 2025 – July 5, 2026 (1 Year 4 Months)

Barrownz Pearl Web Pvt. Ltd., Lucknow

- Engineered scalable ASP.NET Core MVC web applications using Repository Pattern, Unit of Work, and Dependency Injection for clean, maintainable architecture.
- Developed 20+ RESTful API endpoints for HRMS, CRM, E-Commerce, and Reporting modules; documented all APIs using Swagger.
- Designed normalized SQL Server database schemas for 5+ enterprise applications; optimized stored procedures and indexing strategies, reducing query execution time by ~30%.
- Implemented JWT Authentication and role-based Authorization (Admin, Manager, Employee) across multiple enterprise platforms for secure access control.
- Built dynamic HTML email template engine and ASP.NET Core Background Services for bulk campaign dispatch, scheduling, and delivery tracking.
- Delivered responsive UIs using Bootstrap 5, Tailwind CSS, and JavaScript/jQuery; participated in Agile sprint planning, standups, and peer code reviews.

Software Developer Intern

August 15, 2024 – February 20, 2025 (6 Months)

KSS, Chitrakoot

- Assisted in the design and development of web application modules using ASP.NET Core MVC, C#, and Entity Framework Core under senior developer guidance.
- Gained hands-on exposure to SQL Server database design, basic query writing, and version control using Git/GitHub.
- Supported testing, debugging, and documentation of application features as part of an Agile development team.
- Built foundational skills in REST API concepts and front-end integration using HTML, CSS, and JavaScript.

KEY ACHIEVEMENTS

- Designed relational databases for 5+ enterprise applications (HRMS, CRM, E-Commerce, Reporting, Email Marketing) with full normalization and referential integrity.
- Reduced SQL query execution time by ~30% via stored procedure refactoring, execution plan analysis, and targeted indexing in SQL Server.
- Architected RESTful APIs consumed by multiple frontend applications and third-party integrations, ensuring scalability and Swagger documentation.
- Implemented dynamic email template system with variable substitution, open/click tracking, and bulk dispatch capability using Background Services.
- Integrated JWT Authentication and role-based authorization across all enterprise platforms, eliminating unauthorized access incidents.

KEY PROJECTS

1. IEA Project — Industrial Enterprise Application
Tech: ASP.NET Core MVC, C#, Entity Framework Core, SQL Server, JWT Auth, Bootstrap 5

- Designed normalized SQL Server schema covering operations, workflows, user roles, and reporting hierarchies.
- Developed secure REST APIs with JWT Authentication and role-based access; built dynamic reporting module with configurable filters and Excel export.
- Applied Repository Pattern and Dependency Injection; achieved 25% data retrieval improvement through stored procedure optimization and indexing.

2. E-Time Office — HRMS & Employee Management
Tech: ASP.NET Core MVC, C#, Entity Framework Core, SQL Server, JavaScript, Bootstrap 5

- Built full HRMS covering attendance, leave management, payroll, timesheets, and HR reporting with multi-table relational database design.
- Developed REST APIs for attendance punch-in/out and leave approval workflows; integrated automated email notifications via dynamic HTML templates.
- Implemented three-tier role-based authorization (Admin, HR Manager, Employee); automated manual processes reducing HR workload by 40%.

3. Hewett Polytechnic — Education Management System
Tech: ASP.NET Core MVC, C#, SQL Server, Entity Framework Core, REST API, Bootstrap 5

- Designed database schema for students, courses, faculty, examinations, fees, and results; built REST APIs for student portal and faculty dashboard.
- Developed automated result processing and certificate generation module; digitized end-to-end student lifecycle from admission to result declaration.

4. Badrisharof — E-Commerce Platform
Tech: ASP.NET Core, C#, Entity Framework Core, SQL Server, REST API, Bootstrap 5, Payment Gateway

- Designed e-commerce database schema (products, inventory, orders, payments); developed REST APIs for cart, order management, and payment gateway integration.
- Built admin dashboard for inventory, sales reports, and customer management; delivered complete platform from DB design to production deployment.

5. Levair — Email Marketing & Campaign Management
Tech: ASP.NET Core, C#, Entity Framework Core, SQL Server, Background Services, SMTP, HTML Email Templates, REST API

- Designed campaign database schema; built dynamic HTML email template engine with variable substitution and multi-template support.
- Implemented Background Services for scheduled bulk dispatch and retry logic; developed real-time analytics API tracking open rates, clicks, and bounce rates.

EDUCATION

Diploma in Computer Science Engineering | BTEUP, Uttar Pradesh | Completed: 2024
B.Tech in Computer Science Engineering | Dr. A.P.J. Abdul Kalam Technical University (AKTU) | Expected: 2028