

## System Deployment & Integration

### Technology Stack

The Hospital ERP System is built using a modern and scalable technology stack:

- Backend:

- ASP.NET Core 8.0 MVC
- Entity Framework Core (Code-First / Database-First)
- ASP.NET Identity for Authentication and Authorization

- Frontend:

- Razor Pages (MVC Views)
- HTML5, CSS3, JavaScript
- Bootstrap (Responsive UI)

- Database:

- Microsoft SQL Server (MSSQL)
- Stored Procedures, Views, Foreign Key Constraints

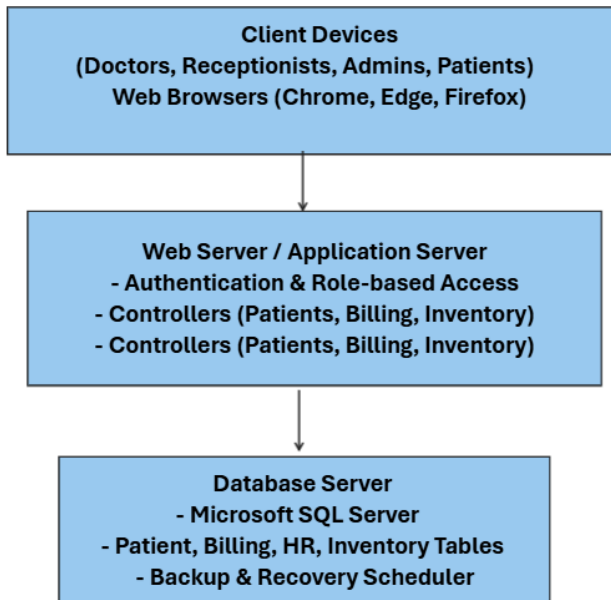
- Reporting & Analytics:

- RDLC / FastReport.NET / Razor Reports

- Hosting & Deployment:

- IIS (On-Premises) or Azure App Service (Cloud Hosting)

## Deployment Diagram



## Component Diagram

