Roopa Ram

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Summary

Driven and flexible IT expert with 2.6 years of hands-on involvement in .NET technologies, including ASP.NET Core (MVC, WebAPI, Console App) and ASP.NET (MVC, Web API, WebForms). Additionally, adept in utilizing Docker, and Apache Kafka. Proficient in managing databases with MSSQL Server and PostgreSQL. Proven track record in code optimization, managing intensive processing tasks, and leading the development of varied applications.

Employment History

ANAND RATHI IT PRIVATE LIMITED | Jodhpur, Rajasthan
Associate Software Developer | 05/2022 - Present

- Worked extensively on ASP.NET (MVC, WebForms, Web API) , ASP.NET Core (MVC, WebAPI), and ASP.NET Core Console App.
- Managed databases using MSSQL Server and PostgreSQL.
- Led multiple projects, optimizing functionalities and implementing new features.
- Provided technical support and resolved issues for clients, ensuring timely and effective resolution of problems.

Reliablesoft Technology pvt ltd | Jodhpur, rajasthan
Software Engineer | 11/2021 - 04/2022

- Coded websites front-end using HTML, CSS, JavaScript and jQuery, back-end development using ASP.NET(WebForms) with C# and Database Development using MSSQL Server.
- Multi-tasked across multiple functions and roles to generate project results and meet deadlines and organizational expectations.
- Worked on developing new features for the company's software as per clients requirement.

Suncity Techno | Jodhpur, Rajasthan
Android Developer Intern | 08/2018 - 10/2018

- Worked on the College Management App for my final year project using SQLite as Local DB.
- Built a TIC-TAC-TOE Game and a simple Loan registration app.

Achievements

Improved website performance:

- Optimized legacy webforms pages for better memory management, resulting in smoother user experience and reduced server load.
- Successfully migrated heavy processing tasks from the web application to a dedicated console application, significantly improving website responsiveness and stability.

Enhanced automation and functionality:

- Developed a custom executable (.exe) from scratch to handle bulk email and SMS sending, streamlining communication processes and saving valuable time.
- Implemented a short URL creation feature, enhancing user convenience and data management.
- Designed and built a system for processing heavy tasks in the background, ensuring optimal website performance while complex operations are undertaken.

Modernized technology stack:

- Successfully converted a legacy WebAPI application written in .NET 4.5 to the latest .NET 8 framework, leveraging updated features and enhanced security standards.
- Integrated Serilog into the legacy application, establishing a robust and efficient logging system for improved troubleshooting and monitoring.

Streamlined communication and file management:

- Migrated the legacy mail dispatcher to a modern .NET Core application, enabling seamless integration with Microsoft Graph API.
- Automated email reading and file download through Graph API, streamlining internal processes and simplifying data handling.
- Developed a secure and reliable authentication mechanism for the ASP.NET MVC application using JSON Web Tokens (JWT), ensuring user privacy and data protection.

Technical Skills

- **Programming Languages**: C#, SQL, JavaScript, TypeScript
- **Web Technologies**: ASP.NET(MVC, WebForms, WebAPI), ASP.NET Core (MVC, Web API)
- **Databases**: MSSQL Server, PostgreSQL, KSql
- **Front-End Development**: HTML, CSS, Bootstrap, jQuery, Ajax, Javascript, Angular, TypeScript
- **Other**: Console App, CronJob, Linq, EFCore, Serilog, Microsoft GraphAPI, Docker , RabbitMQ, Apache Kafka, JWT
- **Version Control**: GIT, GITHUB, GITLAB
- **Tools :** Visual Studio, Postman, Docker Desktop, MSSQL Server Studio, JIRA, Visual Studio Code

Projects

1. Risk Management System (RMS)

- **Description**: RMS is an in-house project which is used to track Clients brokerage and calculate risks based on the various reports.
- **Tech Stack**: ASP.NET WebForms, MSSQL Server, HTML, CSS, Bootstrap, jQuery, C#
- **Roles:** Contributed to new feature development, optimized existing code, and transitioned resource-intensive functions to a console application.

2. Value Added Services (VAS)

- **Description**: VAS is a Web-based system where a user can subscribe to value-added services, track them and also perform scheme redemption and scheme close activities.
- **Tech Stack:** ASP.NET Core(MVC, WebAPI) , PostgreSQL, MSSQL Server, HTML, CSS, Bootstrap, jQuery, C#, CronJob, ASP.NET Console App
- **Roles:** Led the end-to-end development, implementing token-based authentication with role-based access. Engineered Cron Jobs for data retrieval and complex daily calculations.

3. Common Service App
- **Description**: I have designed and developed a multi-functional application leveraging C# .NET Core. The application's primary functionalities include Bulk URL shortening, bulk email and SMS sending, as well as handling long-running and resource-intensive processes efficiently.
- **Tech Stack**: .NET Core, SQL Server, C#, CronJob, Serilog
- **Roles**: Architectured and implemented a robust application capable of handling diverse tasks seamlessly. Integrated URL shortening functionality, enhancing usability and accessibility. Developed features for bulk email and SMS sending, optimizing communication strategies. Implemented efficient handling of long-running and resource-intensive processes to ensure smooth operation. Maintained code quality, adhering to best practices and design patterns for maintainability and scalability.

Education

Vyas Institute of Engineering and Technology | Jodhpur, Rajasthan
B.Tech in Computer Science Engineering | 06/2019

- Graduated with scoring - 64%

Kendriya Vidyalaya EME | Vadodara, Gujarat
Senior Secondary in PCM | Graduated 05/2015

- Scored - 77.60 % with Computer Science as optional subject in CBSE Board.

Kendriya Vidhyalaya Cossipore | Kolkata, West Bengal
Secondary (10th) | Graduated 05/2012

- Scored - 8.2 CGPA in CBSE Board

Languages

Hindi, English, Marwari