PRITAM BARUA

BACKEND WEB DEVELOPER

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PROFILE

Backend Developer with 4 years of experience in building scalable, secure, and high-performance web applications using ASP.NET Core, C#, and SQL Server. Proven ability to optimize APIs, implement enterprise-level features, and contribute across the full SDLC. Passionate about modern backend practices including microservices, containerization (Docker), and cloud deployments (Azure). Seeking a challenging backend or full-stack opportunity to build impactful solutions and grow as a technical leader.

EDUCATION

B.Tech in Computer Science and Engineering | CGPA : 7.82
Kalinga Institute of Industrial Technology | **2017 - 2021**

CERTIFICATIONS

- Microsoft Create cloud-native apps and services with .NET and ASP.NET Core
- Internshala Data Science Certificate of Training
- Internshala Programming with Python Training
- RCPL Machine Learning Summer Training

WORK EXPERIENCE

CUSTOM SOFTWARE ENGINEERING ANALYST   *ACCENTURE PVT LTD.   JUNE 2021 - PRESENT*

.NET Microservices

- Developed **cloud**-native application and **microservices** with .NET and ASP.NET Core.
- Utilised .NET **Identity** for user autheneication and **Gateway** for task distribution to service, each having a unique port number.
- Used **Azure Servicebus** for inter microservice communication.
- Implemented image creation using **Docker File**, starting from **base** image.
- Experience in industry standard tech like Docker Hub, **Kubernetes**, **Docker** etc.
- Added application and infrastructure **resiliency** following **gradual** degradation concept.
- Built observability into application by including **OpenTelemetry** packages and analyzing the data in **Application Insights**.
- Monitored metrices in 3rd party softwares like **Prometheus** and **Grafana**.
- Executed **CI/CD pipelines** to build a container image and deploy it to Azure Kubernetes Service (**AKS**).
- Experience with **Redact** package for classifcation into **EUII** and **EUPI** to ensure compliance.

ASP. NET Core

- C# and **SQL** Developer , with multiple user stories and functionalities delivered mostly applying **Monolothic** architecture.
- Coded **Javascript** data extraction from UI, to tailor it to company oriented **GenAI** for **vectorization** and **LLM training**.
- Skilled in integrating modern technologies like **REST APIs**, **Entity Framework** and **Dapper**.
- Implemented **parallel** external API invocation , reducing load times to **1/3rd** .
- Applied routine **scheduler** allowing **multi-user**, custom tailored **email notification** for completed tasks.
- Utilised memory **caching** helping in reducing load times by **90%**.
- Worked with different extensions like **Syncfusion** for PDF downloading , **Roslynator** and **SonarLint**.
- Experience in SQL **creation** schema, record insertion/updating/ schema **altering** and related **scaffolding**/**migration**.
- Utilised **OAuth** API security and Ms **Azure** services like **AAD**.
- Configured multiple **NUnit** and **XUnit** test cases for individual code layers.
- Gathered **logs**, **databases** and key-value **secrets** from Azure portal.

ASP. NET Core MVC

- Fully implemented **CRUD** operations utilising the **UnitOfWork** Design Pattern along with **Entity** Framework.
- Utlisied **Bootstrap**, **Bootswatch** and other custom organisation level packages for **HTML** and **CSS**.
- In-depth understanding of Database **Migration** and **Scaffolding**.
- Implemented **Toastr** for **Temp Data** Notification, improving **SEO** and user experience.
- Used **Razor Pages** and Razor **Views** along with Areas.
- Configured **RESTful APIs** using **HttpClient**, enhancing modularity and separation of concerns within the **MVC** architecture.
- Applied **Middleware** components for custom request logging and **global exception** handling, improving observability and maintainability of the application.

PROJECTS

- **Habit Tracker Web Application :** Redux & React implemented with Material UI and Bootstrap componenets, integrated with MongoDb cluster.
- **Movie Ticket Management System :** Developed a desktop-based CRUD system using Windows Forms and SQL Server for ticket booking and movie scheduling.
- **Simple AI Chatbot :** Python implemented with ChatterBotCorpusTrainer and custom ListTrainer. Supplemented with Flask front-end.

TECHNICAL SKILLS

Languages : C#, SQL, JavaScript, HTML /CSS, YAML
Frameworks : ASP. Net Core MVC, .Net Microservice, Angular, ASP. Net Core
Developer Tools : Visual Studio, VS Code, Swagger, Postman, Azure portal & DevOps, Git, Kubernetes, Docker
Familiar : MERN, MongoDB, Flask, OpenAI(API extension), Grafana and Prometheus.