

Satyaki Sen

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Profile Summary

.NET Full Stack Developer with over 4 years of experience in designing, developing, and deploying scalable web applications using .NET, Angular, Azure-Services. Skilled in building end-to-end solutions with a strong foundation in both front-end and back-end development. Demonstrates robust problem-solving abilities, clean coding practices, and a passion for delivering high-quality software.

Technical Skills

- Programming Languages: **C#** , **SQL**, **SPL**.
- Front End Technologies: **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **TypeScript**, **Angular v12**, **Angular Material**, **RxJS**, **NgRx**, **Angular CLI**.
- Databases: **MySQL**, **Aerospike** (noSQL).
- Back End Technologies: **.Net Core**, **.Net Framework**, **ASP.NET Core Web API**, **ASP.NET MVC**, **Entity Framework**, **EF Core**, **LINQ**, **Microservices**, **Restful API**, **Minimal APIs**, **Razor**, **WCF**, **ADO.NET**, **JWT**, **ASP.NET Core MVC**, **xUnit**, **Swagger**, **Serilog**, **AutoMapper**.
- Tools: **JIRA**, **VS Code**, **VS Studio**, **Harness**, **Github**, **Bitbucket**, **Bamboo** , **Splunk**, **Control-M**, **ReSharper**, **Azure Cloud Services**.
- Others: **Kafka**, **RabbitMQ**, **IBM-MQ**, **PCF**, **Docker**, **SonarQube**, **Veracode**, **Docker**, **Blazor**.

Work Experiences

Technology Analyst : Infosys : Client - Charles-Schwab

Aug 2024 – Present

- Worked on a data ingestion and query platform under Portfolio Management team, developing multiple **.NET Core** and **.NET Framework** applications to load and process data from SQL Server, large text files, and MQ into **Aerospike DB**. Enabled downstream teams to query and utilize this data through a dedicated **Angular-based Web UI**. Coded in **C#** , **Entity Framework Core**, **ASP.NET Core MVC** , **ASP.NET Core Web API** and **LINQ** to optimize the applications.
- Implemented and maintained **CI/CD pipelines** with integrated pull requests, code reviews, and automated testing. Conducted thorough unit, integration, and end-to-end (E2E) testing using **xUnit** and **Moq**, ensuring robust test coverage including edge case validation.
- Developed and deployed scalable **ASP.NET Core APIs** to **Azure App Service**. Integrated **Azure SQL** and **Blob Storage** for data persistence and media handling. Implemented CI/CD using **Azure DevOps Pipelines** and **Azure Service Bus**.

Senior System Engineer : Infosys : Client - Charles Schwab

Sep 2022 – Aug 2024

- Integrated and Optimized scalable **Windows Service** with **RabbitMQ** and **Kafka** to process real time events ,messages and parse millions of account records, achieving high throughput and low latency while storing the data into **MySQL** database and **COSMOS DB**.
- Designed and optimized **MySQL** database schemas based on business requirements, implementing **indexes**, **stored procedures** to enhance performance, reduce latency, and support high-volume data operations.
- Created **Splunk** dashboards for **Production and Non-Production** environments to monitor Logs, data-analysis and Event Alert.

System Engineer : Infosys : Client - Charles Schwab

July 2021 – Sep 2022

- Designed and developed scalable and cloud-native back-end solutions using **Microservices architecture**, leveraging **Entity Framework Core**, and **CQRS** for efficient data access and domain separation. Integrated **JWT-based authentication** for secure user management, and implemented **Swagger**, **Serilog** for robust API documentation, logging. Utility was to compare files line by line and give output
- Developed and maintained dynamic, responsive web applications using **Angular v12**, **TypeScript**, and **Angular Material**, implementing **RxJS** for reactive programming and **NgRx** for efficient state management.
- Collaborated within a cross-functional **Agile Scrum** team, actively participating in sprint planning, daily stand-ups, sprint reviews, and retrospectives to ensure timely and high-quality delivery of software features.

Project

Expense Splitter App (Splitwise Clone)

Tech Stack : ASP.NET Core Web API, Entity Framework Core, SQL Server, Angular, Swagger, SignalR, JWT

Built a full-stack expense tracking app using **Angular** for a dynamic, responsive UI and **ASP.NET Core Web API** for backend services. Implemented **JWT**, group creation, and flexible expense split logic (equal, percentage, shares). Integrated **Razorpay/Stripe** for payment settlements and **SignalR** for real-time notifications. Designed a **normalized SQL Server schema** with key entities like Users, Groups, Expenses, Members, and Transactions to ensure relational integrity and scalability. Developed and documented **RESTful APIs** using **Swagger**.

Education

B.Tech in Computer Science and Engineering
Aug. 2017 – July 2021

B. P. Poddar Institute of Management and Technology Kolkata, West Bengal
DGPA - 8.94

Certifications

1. Microsoft Azure Fundamentals (AZ-900)
2. Microsoft Azure Developer Associate (AZ-204)
3. DevOps Engineer Expert (AZ-400)
4. Google Cloud Platform Professional Cloud Architect
5. Associate Cloud Engineer Certification