

Divyanshu Ruhela

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Backend Engineer | .NET | Distributed Systems | Cloud-Native Systems

PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 7+ years of experience designing and scaling distributed, high-performance backend systems using .NET Core, ASP.NET Web API, and Azure cloud services. Proven track record of driving measurable performance gains, including cutting API response time by 50% through query optimization and caching. Strong grounding in High-Level and Low-Level Design (HLD/LLD), microservices architecture, event-driven systems (Kafka), API gateway and traffic management (APIM, load balancing, rate limiting, caching, CDN), database optimization, and concurrency handling. Experienced in building products from 0-to-1 and owning backend systems end-to-end, including solving ordering/sequencing guarantees in distributed request processing, and applying Generative AI tooling to accelerate engineering delivery.

TECHNICAL SKILLS

Backend: C#, .NET Core (.NET 6/7/8), ASP.NET Core Web API, REST, JWT Authentication

System Design: High-Level Design (HLD), Low-Level Design (LLD), Microservices, Distributed Systems, Clean Architecture, Event-Driven Architecture

Scalability & Performance: Apache Kafka, Load Balancing, Caching, CDN, Rate Limiting, Request Sequencing/Ordering

Databases: PostgreSQL, MS SQL Server, Cosmos DB, Query Optimization

Cloud & DevOps: Azure (Functions, APIM, Event Hub, Blob, AAD), Docker, Terraform, GitHub Actions, CI/CD

Certifications: AZ-900 | AZ-204

EXPERIENCE

Senior Software Developer | HashedIn by Deloitte

Oct 2021 – Present

- Architected and developed scalable, distributed backend systems using .NET 8 and PostgreSQL, applying HLD/LLD principles for maintainability and scale.
- Designed microservices-based REST APIs implementing business-critical workflows, using Kafka for asynchronous, event-driven communication between services.
- Reduced API response time by **50%** by profiling and optimizing database queries, introducing multi-layer caching, and eliminating redundant network calls, significantly improving throughput and user experience.
- Currently designing a request-ordering solution that guarantees responses are returned in the exact sequence requests are received, using only .NET and the database (no external sequencing/queueing service), via database-backed sequence tokens and ordered processing logic.
- Built Azure Functions and APIM integrations for secure external API exposure, including load balancing, rate limiting, and caching strategies to improve throughput and protect downstream services.
- Introduced CDN and caching layers to reduce latency and offload traffic from core backend services.
- Leveraged Generative AI (LLM-based tooling such as GitHub Copilot/ChatGPT) within engineering projects to accelerate code generation, automate unit test scaffolding, and speed up debugging and documentation, boosting overall development velocity.
- Implemented JWT-based secure authentication and authorization.
- Designed CI/CD pipelines improving deployment reliability and automation.
- Designed Logic App workflows for orchestrating distributed cloud operations.

Software Developer | Wipro

Jan 2019 – Jan 2021

- Developed finance modules handling transaction workflows and contract lifecycle.
- Improved performance post legacy data migration by reducing redundant API calls.
- Resolved backend defects and optimized data configuration stability.

EDUCATION

B.Tech. – Computer Science | Chandigarh Group of Colleges | 2019