

Ritesh Parmar

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Technical Skills

Languages and Databases: HTML, CSS, JavaScript, C#, .NET, .NET Core, ASP.NET Core, MS SQL Server, MySQL Server

Tools & Platforms: Visual Studio, Visual Studio Code, Telerik Report Designer, Git, Postman

Other Skills: Database Design & Management, Audit Trail Implementation, Data Aggregation & Reporting Systems, Server Management & Deployment, Problem Solving & Debugging

Experience

HKRP Innovations Pvt. Ltd

Junior Software Engineer

January 2023 – Present

Ahmedabad, India

- **Role Overview:** As a **core contributor** in the product engineering team, I led the **end-to-end development** of enterprise-grade applications and real-time APIs, serving energy clients across various state-level electrical distribution systems. I was responsible for **backend logic, database design, visual tools, and reporting systems**, ensuring system scalability, performance, and security.
- **API Development (30%):** Designed and implemented secure, scalable **RESTful APIs using .NET Core**, enabling seamless integration between IoT devices, client dashboards, and internal applications.
- **Data Reporting & Visualization (25%):** Built dynamic reports using **Telerik Report Manager** and **Object Data Sources**, integrated via APIs. Created **Windows Forms** applications for real-time data monitoring and analytics.
- **Database Design & Optimization (20%):** Managed **SQL Server** databases: created tables, views, and stored procedures; optimized queries for performance; implemented data cleansing protocols; and supported billing and energy consumption analytics.
- **Project Lifecycle & Technical Documentation (15%):** Participated in **project planning**, created **architecture diagrams**, wrote **technical documentation**, and handled deployment on staging/production environments.
- **Cross-functional Collaboration (10%):** Worked closely resolve bugs, and improve user experience in critical modules like **Role Management, Energy Analytics, and DT hierarchy tracking**.

Personal Projects/Awards & Achievements

Smart Feeder Management System (SFMS):

March 2023 – Present

Energy Analytics & IoT Projects | Junior Backend & Data Engineer (Core Contributor)

As a core backend engineer at HKRP Innovation, I led backend architecture and reporting system development across 5 major energy-tech projects. I designed real-time APIs and multi-level role-based access systems (~45%), architected complex reporting workflows using **Telerik Report Manager Designer** (~10%), and built secured APIs to pull, manipulate, and visualize data from multiple sources using **.NET Core** and **SQL Server**. I engineered dynamic report templates and data-driven tables, integrating object data sources and securing report-level access for different user roles. In **ONGC Wells** and **Upadhi (MPCSS)** (~30%), I implemented audit-logging, backend logic, and secure system integration across modules. I also delivered a deep asset visibility model using parent-child structures in the **VFS DT Project** (~15%). My end-to-end contributions improved system scalability, reduced API load time, and directly led to multiple internal promotions for delivering critical infrastructure.

Education

Gujarat University

Master of Computer Applications | CGPA: 8.5

July 2021 – April 2023

Ahmedabad, Gujarat

Shri Govind Guru University

Master of Computer Applications | CGPA: 8.2

July 2018 – April 2021

Godhra, Gujarat