Isfar Hassan

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Business intelligence developer and data automation analyst building reliable reporting, analytics, APIs, and software systems that turn operational data into decisions.

Relevant Experience

Intelligence & Data Automation Analyst

R2Q Operating (Former Texas Energy) • 2023 - Present • Dallas, TX

- Automated recurring operational and executive reporting across multiple operating areas, replacing manual preparation with standardized Power BI workflows and more consistent decision metrics.
- Reinstated business-critical reporting after major application and database changes by tracing schema breaks, moved historical data, gateway failures, connectivity issues, and query bottlenecks.
- Built reusable PostgreSQL reporting datasets and materialized views that simplified downstream Power BI models and improved refresh reliability across production, accounting, and operational reporting.
- Created reconciliation and discrepancy controls that surface data-quality issues before they reach management reports, reducing downstream rework and reporting risk.
- Optimized analysis of 22M+ historical records with targeted extraction and reconciliation methods that avoid unnecessary full-table scans and reduce refresh overhead.

Business Intelligence Developer

ISite Energy Technologies, LLC • 2024 - Present • Dallas, TX

- Built automated monitoring and data-quality workflows that flag anomalous or incomplete operational data earlier, helping prevent inaccurate information from reaching dashboards and executive reporting.
- Developed ASP.NET Core / C# APIs that centralize operational data access for internal reporting, web, and mobile applications, reducing duplicated data logic across products.
- Standardized data from multiple company databases into consistent reporting structures, enabling cross-company analytics and a more reliable foundation for shared BI solutions.

Selected Technical Work

Executive Production Analytics App

Designed the analytics layer for a read-only mobile experience with KPIs, trends, top movers, and alerts across multiple data sources using normalized reporting views and REST APIs.

Forecasting & Economic Evaluation Workflow

Built a Python and PostgreSQL workflow to screen comparable assets, reconcile historical production, prepare decline forecasts, and structure inputs for economic evaluation.

Power BI Gateway & Reporting Recovery

Diagnosed and restored failed production refreshes involving schema changes, database objects, connectivity, driver issues, and historical data-source changes.

Skills

BI & Analytics

Power BI, DAX, Power Query, semantic modeling, KPI design, report automation, gateway administration

Data & Engineering

PostgreSQL, SQL, Python, C#, REST APIs, CTEs, materialized views, ETL/ELT, data reconciliation

Platforms & Tools

Git, GitHub, Claude Code, MCP, ASP.NET Core, Vue / Quasar, Swift, ODBC, Windows Server, Microsoft 365

Selected Projects

Conversational Digital Human

UT Southwestern Medical Center research collaboration connecting speech recognition, large language models, text-to-speech, facial animation, Unreal Engine, and browser-based streaming.

Data Quality & Reconciliation

Validation workflows that compare source systems and reporting datasets before anomalies reach management reporting.

Tutoring Appointment System

Normalized relational database design with scheduling workflows, integrity rules, and application-oriented data modeling.

Education

University of Texas at Dallas

B.S. Computer Science

Additional

Dallas-based. Experience collaborating with executives, operations, accounting, engineering, and software teams across analytics and internal product development.