MARCUS FITZGERALD

SQL Database Architect

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Boston, MA linkedin.com/in/janedoe

SUMMARY

SQL Database Architect with 11 years of experience at Fidelity Investments and Snowflake, designing petabyte-scale relational and cloud data warehouse architectures for financial services. Architected a 3 PB Snowflake data platform reducing time-to-insight from 2 weeks to 4 hours, defined SQL architecture standards adopted by 400+ engineers, and hold Snowflake SnowPro Advanced Architect and Microsoft Azure Solutions Architect Expert credentials.

EXPERIENCE

Principal SQL Database Architect

Fidelity Investments · February 2020 - Present · Boston, MA

- Design end-to-end SQL database architecture for Fidelity's investment analytics platform managing $4.5T in assets; platform serves 1,200 analysts across 6 business lines
- Architected migration from 14 siloed SQL Server databases to unified Snowflake data platform (3 PB); reduced time-to-insight for portfolio analytics from 2 weeks to 4 hours
- Defined SQL architecture standards and data modeling conventions adopted by 400+ engineers; introduced logical/physical separation principle eliminating 60% of ad-hoc schema changes
- Led Snowflake RBAC and data sharing design covering 50,000 users and 8 external data provider integrations; achieved SOC 2 Type II and SEC Regulation SCI compliance
- Conducted architecture reviews for 30 new data products annually; mentored 6 senior SQL developers through architecture decision record (ADR) process

Senior SQL Database Architect

State Street Corporation · August 2015 - January 2020 · Boston, MA

- Designed SQL Server OLTP and OLAP architecture for custody accounting system processing $40T in assets under custody; achieved 99.999% uptime SLA
- Implemented partitioned tables and in-memory OLTP tables for high-frequency settlement processing; reduced end-of-day settlement batch from 4.5 hours to 48 minutes
- Architected cross-database federation using SQL Server Linked Servers and PolyBase, replacing 20 manual flat-file feeds between 8 legacy systems

Senior SQL Developer

TJX Companies · July 2013 - July 2015 · Framingham, MA

- Designed SQL Server 2012 data warehouse schema for retail inventory analytics; 300-table star schema supporting $29B in annual retail data

EDUCATION

M.S.

Boston University · May 2013 · Boston, MA

Computer Science · GPA: 3.8

CERTIFICATES

Snowflake SnowPro Advanced: Architect

Snowflake · March 2023

Elite Snowflake certification validating expert-level ability to design, build, and optimize enterprise Snowflake data architectures.

Microsoft Certified: Azure Solutions Architect Expert

Microsoft · October 2021

Validates expert-level ability to design and implement Azure infrastructure and data architecture solutions at enterprise scale.

dbt Certified Developer

dbt Labs · May 2019

Validates expertise in building enterprise-scale dbt transformation projects including model design, testing, and CI/CD.

SKILLS

- **Snowflake Architecture (SnowPro Advanced)**
- **SQL Server Architecture & In-Memory OLTP**
- **Azure Synapse / Azure SQL**
- **Dimensional Modeling (Kimball / Data Vault)**
- **RBAC / Data Governance Design**
- **T-SQL / PL/SQL (Expert)**
- **dbt (Enterprise Architecture)**
- **PolyBase / Distributed Query**

LANGUAGES

English ●●●●●

Spanish ●●●●○

STRENGTHS

Technical Expertise

Highly skilled in SQL, database design, and database performance tuning

Leadership

Proven experience in leading cross-functional teams and managing large-scale database projects

Communication

Excellent communication skills, with the ability to explain complex technical concepts to non-technical stakeholders

HOBBIES

Reading

Hiking

AWARDS

Best Database Architect

Microsoft · Jan 2020

Awarded for outstanding contributions to database architecture and development

REFERENCES

John Doe, Senior Manager

Manager johndoe@microsoft.com

Jane Smith, Database Administrator

Colleague janesmith@oracle.com