

Warren J. McPhillips

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WORK EXPERIENCE

Cravath Swaine & Moore, LLP

Business Intelligence Developer/Data Engineer

3/2020 – Present
New York, NY

- Lead developer and product owner for new data warehousing, Business Intelligence reporting and analytics systems.
- Responsible for systems architecture, design, development, implementation, testing, documentation, and team training.
- Mentoring a growing team of database developers, and managing consultants.
- Managed onboarding and integration of third-party applications with internal systems.
- Introduced a Service Oriented Architectural initiative; developing DSL wrappers in C# to allow T-SQL communication with Redis, Elasticsearch, and Http.
- Introduced Git workflow and project management for all database and backend assets.

Abracus, LLC.

Managing Member

10/2018 – 3/2020
New York, NY

- Provided Consulting, Development, Advisement, SaaS, and other IT services for numerous clients.
 - Morgan Stanley: Developed Modern Platform trading system back end that is used by Financial Advisor's and internal departments.
 - Galaxy Digital Partners: Developed a data pipeline using Amazon RDS and PostgreSQL for their crypto exchange and execution platform.
- Developed proprietary software leveraging natural language processing, and GIS-software targeting B2C and B2B markets.
- Alternative Data speaker/presenter at various NYC events: AITEC, Augvest.

MKP Capital Management LLC

Vice President, Application Development

3/2007 – 8/2018
New York, NY

- Developed STP process to transform, validate, and ingest trades from Charles River OMS to back office accounting, Risk and Fund and Investor Accounting systems. Virtually all aspects of the STP process are automated and streamlined: security, trades, and pricing loads, overnight and month-end prior period close, cancel/corrects, accounting nightly processing, indexing and administration. The processes were built using SQL Server, SSIS, SSRS.
- Developed ETL/ELT pipeline for all of the firms incoming and outgoing PB and Fund Admin feeds: Citco, Globe-Op, SEI, NAV Consulting, and HedgeServ. Data ingestion of semi-structured and unstructured data (email, jagged and plain text files) is parsed, and validated using SSIS/Python Pandas. All ETL processes are designed to be idempotent.
- Database design and administration with respect to SSAE16 standards. This includes developing and implementing DDL audits with parent-child object dependency, reporting, and weekly follow-up meetings with department heads. Query optimization, deadlock profiling and root cause analysis, index constraints, synonym utilization to reduce sql object redundancy. Implemented database mirroring for business resumption, as well as scheduled backup plans for all of the firm's major systems. Setup SQL Replication from OMS into risk and accounting systems.
- Developed master data objects for various asset classes to serve as building blocks for all reporting, feed, and consumed views. This reduced a majority of the ad-hoc queries to centralized objects as part of a larger data warehouse project.
- Architect of a distributed, fault-tolerant data backbone for real-time analytics for various systems. The technology consists of Elasticsearch/Kibana/Logstash.
- Developed firm's investor accounting system that generated lot level pro-rata, monthly P&L to investors. The application is utilized by Operations, Accounting, Client Services and Legal departments. The system was designed using C# WinForms and ASP.NET.

BUSINESS INTELLIGENCE

SQL Server Integration Services, Reporting Services,
Power BI, Kibana, Tableau

OPERATING SYSTEMS/PLATFORMS

Windows/Server, Linux (Debian, Ubuntu), IBM Cloud,
AWS, Docker, Mac OSX, Unix (Free BSD)

EDUCATION

Georgia Southwestern State University
MSc. Computer Science

DATABASES PLATFORMS

SQL Server 2022-2000, Elasticsearch, PostgreSQL 10+,
Redis, InfluxDb

LANGUAGES

Python, T-SQL/PL-SQL, C#, Javascript, VBA

Currently Enrolled Online (May, 2025)
Americus, GA