

Senior **Data Engineer**

"Driving Actionable Insights Through Advanced Data Architecture and ETL Solutions".

Certified **AWS** and analytical professional with over 20 years of experience designing intricate Microsoft SQL Server applications using T-SQL, stored procedures, and SSIS for ETL processes. Proficient in variety of programming languages and tools, including **Python**, SQL, and **AWS** services. Adept at devising and maintaining complex SQL solutions for **AWS** Redshift Data Warehouse, optimizing data processing, and streamlining operations. Possess strong foundation in designing and implementing efficient data pipelines, conducting advanced data analysis, and enhancing query performance for large-scale datasets. Committed to delivering high-quality data engineering solutions that empower organizations to extract maximum value from data assets.

- Distinguished ETL Programmer; specializing in data extraction, transformation, and loading for enhanced business intelligence and reporting solutions.
- Strategic Database Administrator; enabling robust backups, Disaster Recovery (DR), and performance optimization for critical business applications.
- ERP System Support Lead for in-house ERP system for Fortune 100 Company with expertise in database management, coding, and ETL redesign.

Core Competencies

- | | | |
|----------------------------|-------------------------------|-----------------------------|
| • Data Pipeline Management | • AWS Services | • Amazon Redshift |
| • Business Intelligence | • Data Integration & Analysis | • Data Safety & Maintenance |
| • Database Design | • Database Development | • Python Development |

Professional Experience

Chase Bank (Judge Group), Houston, TX

Apr 2023 to Present

Data Engineer

Manage and analyze large/complex datasets within database by developing and sustaining SQL. Streamline responsive processes by utilizing **Python** to create and boost Lambda functions. Enable all users with ability to tap into S3 data lake by enhancing data accessibility through Redshift Spectrum configuration.

- Contributed to optimal performance and effectiveness of SQL and Redshift cluster to provide better user experience and access to data.
- Granted end-users seamless access to terabytes of data resources by establishing **AWS** Redshift database cluster.
- Empowered efficient data processing by configuring and updating **AWS** Athena databases.
- Devised intricate **Python** ETL scripts by overseeing creation, debugging, and maintenance for seamless data transformation.
- Automated tasks and achieved desired outcomes by preparing complex **Python** scripts.
- Collaborated closely with dynamic team of onshore and offshore developers to deliver impactful solutions.

Mariner Finance, Remote

Jun 2022 to Apr 2023

Cloud Data Engineer 3

Administered and assessed large volumes of data within data warehouse environment by developing SQL for **AWS** Redshift Data Warehouse. Showcased technical proficiency in using **Python** programming language to create and sustain **AWS** Lambda functions. Assured reliability and accuracy of data transformation and loading processes within **AWS** Redshift Data Warehouse by identifying and troubleshooting issues related to complex ETL (Extract, Transform, Load) processes. Leveraged structured and efficient capabilities of Jira platform for agile software development and project management.

- Formed data pipelines through Matillion platform for transferring data from on-premises SQL Server database to an Amazon Web Services (**AWS**) Redshift data warehouse.
- Employed Bitbucket for source control to supervise and monitor changes to source code within project.

- Heightened operational efficiency and reduced likelihood of errors during deployment by preparing **AWS** CloudFormation templates to efficiently deploy Lambda functions and CloudWatch Event Rules.
- Reduced data processing time to make timely and informed decisions using **AWS** Lambda functions from Redshift.
- Engaged in tasks involving on-prem SQL Servers, resulting in enhancement of database performance, data retrieval, and integration with existing systems.
- Augmented data processing efficiency by leveraging **AWS** Lambda functions from Redshift.

Sysco Foods, Houston, TX**Apr 2018 to May 2022****AWS/Database Developer**

Guaranteed uninterrupted data flow by troubleshooting identified issues related to intricate ETL processes within **AWS** Redshift Data Warehouse for data integrity. Initiated efforts to achieve consistent quality and uniformity across projects by complying with company standards and overseeing alignment of all software designs. Empowered team of developers by offering clear direction and architectural guidance to create well-structured solutions. Managed extensive datasets, processed billions of rows of data, and collectively exceeded 100 terabytes in size.

- Obtained holistic view of operations across multiple companies/regional distribution centers by sourcing data to gain deeper understanding of trends, patterns, and performance metrics.
- Boosted data retrieval, analytical capabilities, and overall performance by conceptualizing and implementing intricate SQL solutions for **AWS** Redshift Data Warehouse.
- Improved data quality and produced robust foundation for gaining data-driven insights and making decisions by formulating **AWS** Data Pipelines to load **AWS** Redshift Data Warehouse.
- Gathered and evaluated data from over 200 additional separate sources to acquire better insights regarding market dynamics and customer preferences.
- Coordinated with both onshore and offshore developers to harness broader range of skills, ensure around-the-clock progress, and maximize project efficiency.
- Monitored and minimized risk of accidental data loss or inconsistent code changes via Git Repositories.
- Developed scalable solution for managing and processing large volumes of data by designing Bulk API Framework through **AWS** Lambda, **AWS** Redshift, and MySQL.
- Engineered an automated deployment process for bulk APIs using **AWS** CloudFormation templates.
- Operated within context of MySQL RDS instance to execute data management tasks.
- Facilitated rapid and error-free deployment of Lambda functions and CloudWatch Event Rules by designing highly efficient **AWS** CloudFormation templates.
- Created an organized approach to manage code and track changes via GitLab for source control.
- Augmented collaboration and transparency throughout project lifecycle using Jira for Agile project management.
- Assured staff adhered to company standards by meticulously reviewing and aligning software designs.

Selene Finance, Houston, TX**Jan 2018 to Apr 2018****ETL Developer**

Forged complex T-SQL views to provide an in-depth understanding of complex data structures. Devised intricate SSIS packages from the ground up to integrate complex data with precision and reliability.

- Optimized database performance by tuning queries using SQL Profiler, resulting in significantly faster response times and increased user experience.
- Designed SQL Server tables strategically to minimize data fragmentation and raise storage allocation.

Contract Land Staff, Sugar Land, TX**Oct 2017 to Jan 2018****Database Developer**

Generated error-free SSRS reports using SQL Server as data source to deliver comprehensive insights and actionable information. Determined and rectified issues for greater system efficiency by conducting deep analysis of complex stored procedures and code.

- Prepared T-SQL for performance-critical databases to support timely data analysis and reporting needs.
- Elevated databases by fine-tuning configurations, resulting in streamlined data operations.

- Guaranteed uninterrupted data availability by recognizing root causes and mitigating database issues.
- Pinpointed specific areas causing delays in query process execution by assessing query plans.
- Detected recurring patterns of behavior, errors, and anomalies by analyzing and interpreting logs.

Robert Half, Houston, TX
Application/Database Developer

Mar 2017 to Oct 2017

Transferred an Access-based application to SQL Server for more robust data processing and analysis. Raised data accuracy and reduced manual intervention by revamping data export process from application to QuickBooks. Utilized SQL Agent to configure and automate backup processes and routine database maintenance. Enhanced application functionality by updating logic to integrate SQL Server 2016 as primary data store.

- Employed SQL Profiler to detect/resolve performance issues, enabling targeted solutions and enhanced system efficiency.
- Maximized query execution process by transforming Access queries into T-SQL views and stored procedures to boost data retrieval and manipulation.
- Optimized data extraction and loading by converting ETL processes to SSIS to attain accurate data across various platforms.
- Transitioned VB codebase to C# to achieve improved code maintainability and enhanced readability.
- Elevated application's front end by migrating from Access to ASP.NET, resulting in user-friendly web interface.

RigNet, Houston, TX
Database Administrator/Developer

Nov 2016 to Feb 2017

Provided assistance for SAP Business One (SAP B1), including installation and configuration of third-party add-ons. Delivered targeted data-driven insights by drafting essential custom reports using SSRS/Crystal Reports. Created and applied automation solutions to optimize SAP Business One (SAP B1) workflows and sysadmin tasks, reducing errors and saving valuable time.

- Offered dedicated guidance for maintaining and troubleshooting third-party custom SAP B1 add-ons, minimizing development costs, and streamlining support processes.
- Responded to shifting business demands by augmenting capabilities of existing SAP B1 add-on.
- Developed specialized code for SAP B1 to ensure software aligns with operational needs.
- Developed end-to-end Data Warehouse system, such as creating ETL processes and data cleansing techniques.
- Carried out administrative tasks for SQL databases across globe to achieve consistent performance and data integrity.

Medidata Solutions, Houston, TX
Database Architect

Oct 2015 to Nov 2016

Produced and applied reliable, efficient, and responsive transactional databases serving as backbone for essential business operations. Delivered actionable insights to end users through data provisioning and report generation. Prepared databases to administer increased workloads and provide foundation to meet organization's future growth and needs.

- Developed high-impact T-SQL against intricate, performance-critical databases to drive data manipulation with precision.
- Fine-tuned databases by expertly addressing issues, conducting thorough query plan analysis, executing traces, and interpreting logs for optimized performance.
- Reshaped and boosted indexes, lookups, and queries to successfully eradicate deadlocks and blocking queries for seamless database operationalization.
- Led implementation of CMDB for retrieval of critical infrastructure and application data.
- Developed multi-threaded C# code within SSIS, enabling retrieval and processing of data from vast network of servers.
- Aided in in-depth analysis and monitoring of CMDB data by generating impactful SSRS reports and OLAP cubes (SSAS).

Carrizo Oil & Gas, Houston, TX
Senior Systems Analyst | Database Admin & Developer

May 2012 to Oct 2015

Created advanced ETL scripts using Oracle Data Integrator (ODI) and SQL Server Integration Services (SSIS) for data warehouse loads, including exception handling and data scrubbing. Designed reports using SQL Server Reporting Services (SSRS) and developed Windows Presentation Foundation (WPF) applications using C# and Entity Framework.

- Engaged in comprehensive SQL Server 2008 R2 database tuning efforts, resulting in significant performance improvements.
- Designed and administered OLAP cubes (SSAS) while maintaining the database schema to facilitate robust data analysis.
- Offered valuable assistance in optimizing current VB.NET applications to effectively modernize legacy systems, successfully migrating legacy Crystal Reports to SQL Server Reporting Services (SSRS) for streamlined reporting.

Chevron, Houston, TX
Programmer | Database Developer

Nov 2011 to May 2012

Provided expert-level support for complex C# WinForms applications with an Oracle backend, troubleshooting and resolving technical issues to facilitate uninterrupted application functionality. Developed and implemented intricate business rules and coding logic to ensure accurate and reliable application behavior.

- Integrated web services into applications to facilitate real-time data exchange and improve user experience.
- Utilized Office automation to streamline workflows and automate repetitive tasks within applications.
- Played instrumental role in designing enhancements for enterprise-level exploration applications, collaborating with stakeholders to gather requirements and translate into technical design specifications.

Enterprise Products (Oil/Gas), Houston, TX
Programmer | Database Developer | DBA

Mar 2007 to Nov 2011

Assisted in enhancing and shaping enterprise-grade applications utilized for material balancing. Orchestrated data tier consisting of numerous stored procedures, and executed meticulously designed front end using advanced object-oriented VB.NET principles. Contributed significantly to design of Flow Computer Interface software to streamline interface for data flow management.

- Devised a tailored migration and construction solution, integrating internal Powershell scripting and direct connectivity to Team Foundation Server using the TFS API.
- Architected universal data access layer, presently employed by FCI and various other enterprise applications.
- Formulated object-relational model for application, innovating specialized tool through CodeDOM to produce highly efficient, language-independent code based on database schema.
- Undertook troubleshooting on complex stored procedures and code, resulting in restructuring of data interfaces with external systems, delivering substantial tenfold increase in performance.

Litton Loan Servicing, Houston, TX
Programmer | Database Developer

Mar 2005 to Mar 2007

Steered development and maintenance of PL/SQL-MS Access applications to foster streamlined data operations and sustain high levels of performance. Converted complex business rules into efficient VBA/PL/SQL code to enable seamless automation and accurate execution of critical processes. Produced essential reports tailored for key company decision-makers, providing valuable insights for informed strategic choices.

- Performed comprehensive enhancement of enterprise imaging system, upgrading from v5.51 to v7.5.
- Managed and optimized Kofax/Ascent Capture imaging system, enhancing document processing speed and accuracy.
- Engineered and modernized physical database structure, optimizing data storage and improving system performance.

Karta Technologies, San Antonio, TX
Programmer | Database Developer

Dec 2004 to Mar 2005

Led maintenance of legacy VB 6.0 applications, transitioning to C# and SQL Server 2000 backend, as well as migrating application business logic to VB.NET middle-tier for improved efficiency and modernization. Devised unit testing scripts for VB.NET and T-SQL code, ensuring robust code quality and functionality.

- Transformed Access queries into stored procedures and views within SQL Server 2000, boosting database performance.
- Identified and rectified database performance issues, optimizing data operations and system responsiveness.
- Established secure logins and roles for SQL Server, safeguarding sensitive data and ensuring controlled access to database.

Frost Bank, San Antonio, TX**Nov 2000 to Oct 2004****Database Administrator | Developer | Imaging Administrator**

Ensured data integrity through meticulous backups, orchestrating effective disaster recovery (DR) plans, and optimizing performance for crucial line of business applications. Supervised SQL Server performance, managing SQL Server security through precise access control to safeguard sensitive information. Administered routine database maintenance tasks, including integrity checks and index rebuilding through SQL Agent scheduling. Implemented and configured SQL Mail feature, enabling automated email notifications to send to DBA team in response to server-related issues. Directed meticulous planning and execution of logical and physical design aspects of "in-house" SQL Server database. Collaborated with front-end VB developers to create client-server applications, delivering sophisticated solutions. Spearheaded development of multiple DTS packages, effectively automating intricate ETS processes to streamline operations. Leveraged T-SQL expertise to implement business rules and validation logic in compliance with critical business requirements.

- Created specialized ASP.NET application using C# for departmental use to support specific business needs.
- Crafted robust database validation scripts, ensuring data accuracy and integrity through systematic checks and validations.
- Carried out upgradation of Kofax Ascent Capture from version 5.51 to 6.0, enabling utilization of SQL Server 2000 as batch catalog database for enhanced data management capabilities.
- Optimized security and performance aspects within capture server environment for data protection.
- Oversaw scanning and validation workstations in San Antonio, ensuring consistent data validation processes.
- Managed Frost Bank imaging system (FileNET/Kofax), including IDM Desktop, Image Services, and initial implementation of Kofax Ascent Capture 5.51 distributed capture system.
- Utilized Microsoft SQL Server and Data Transformation Services (DTS) to facilitate creation of multiple extraction, transformation, and load (ETL) solutions.
- Identified and rectified performance bottlenecks through effective usage of SQL Profiler
- Safeguarded sensitive data and guaranteed comprehensive data protection through strategic design and meticulous maintenance of complex security schemes.
- Facilitated data-driven insights and streamlined decision-making processes by developing complex reports using T-SQL stored procedures and views.
- Enhanced sales tracking and reporting system (STARS), significantly contributing to optimized sales operations.
- Led development of various Microsoft Access/Visual Basic applications, supporting creation of effective software solutions.

Additional Experience**Technical Consultant**

Y&L Consulting, San Antonio, TX

Programmer/Analyst

Jefferson Parish Human Services Authority, Metairie, LA

Database Manager/Computer Systems Liaison Officer

Jefferson Parish Human Services Authority, Metairie, LA

Education**Bachelor's Degree in Sociology**

University of New Orleans, New Orleans, LA

Completed Coursework for Master's Degree in Public Administration

University of New Orleans, New Orleans, LA

Professional Development

AWS Certified Developer – Associate, Amazon Web Services (**AWS**) (Expires: 2026)**AWS** Certified Solutions Architect – Associate, Amazon Web Services (**AWS**) (Expires: 2026)Amazon Web Services Cloud Practitioner, Amazon Web Services (**AWS**) (Expires: 2025)**Technical Proficiencies**

AWS Command Line Interface (CLI), Pandas (Software), Linux, Git, **Python** (Programming Language)
C#, T-SQL, Windows Server, Oracle PL/SQL Development, Microsoft SQL Server, SQL Server Management Studio

SQL Server Integration Services, Oracle, SSIS, Transact-SQL (T-SQL), PL/SQL, SQL Server Reporting Services (SSRS)

.NET Pentium II powered IBM PC on Windows NT Workstation operating system, Microsoft Visual Basic
Microsoft Access 97/2000

Microsoft Excel 97/2000, Seagate Software Crystal Reports, Microsoft Access 97, Microsoft Excel 97

John Dauphine

- Richmond, TX, US

Contact Information

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Summary

As a resourceful and technically sophisticated professional with over 20 years of experience, I possess knowledge and expertise in network administration, database management, AWS Cloud, big data analytics, data pipeline, troubleshooting, and data collection and analysis. I am eager to advance my career and obtain a progressive role within a high-end IT company. I pay strong attention to skills in maximizing resources, value, and efficiency to propel the company's growth and revenue. My career has been an odyssey of innovation and adaptability, marked by a relentless pursuit of excellence. As a Certified AWS professional, I've harnessed the power of cloud technologies to craft intricate data solutions that transcend the boundaries of traditional systems. From crafting complex T-SQL queries that unlock the secrets hidden within performance-critical databases to architecting efficient data pipelines, I've been at the forefront of driving change and value. I am recognized for working in various industries and roles, shaping my expertise in Microsoft SQL Server, AWS services, Python programming, and more. I'm not just a data engineer; I'm a problem solver, an architect, and a strategic thinker. From managing extensive datasets for Fortune 100 companies to crafting personalized solutions that empower smaller teams, I've navigated the intricacies of database management with unwavering commitment. My journey is about innovation at every turn, from automating processes through Lambda functions to reshaping data landscapes for greater efficiency. It's about working smarter, not just harder, and being the driving force behind transformational projects. My educational journey has been marked by a commitment to continuous growth that has shaped my expertise and fueled my passion for data engineering and database administration. In a field that's constantly evolving, I've embraced the power of professional development to stay at the forefront of innovation. As an AWS Certified Developer – Associate and AWS Certified Solutions Architect – Associate, I've not only demonstrated my expertise but also showcased my commitment to mastering cutting-edge cloud technologies. My skills demonstrate that I have extensive experience in this field and can outperform related operations. With these skills, I will surely be an asset to organization. So, if you are in need

professional, then please do contact me. Core Competencies: Data Pipeline Management | Business Intelligence | Data Integration & Analysis | AWS Services Email: jdauphine@gmail.com

Work History

Total Work Experience: 17 years

- **Data Engineer** Steampunk
Oct 01, 2023
- **Aws Data Engineer** Chase Bank
Apr 01, 2023
- **Cloud Data Engineer** Mariner Finance
Jun 01, 2022
- **Senior Database Developer** Sysco Foods
Mar 01, 2017
- **Database Administrator** Rignet
Nov 01, 2016
- **Database Architect** Medidata
Oct 01, 2015
- **Senior Programmer Analyst** Carrizo Oil & Gas
Jan 01, 2012
- **Senior Developer Contractor** Chevron
Jan 01, 2011
- **Vb.Net/SQL Server Developer** Enterprise Products
Jan 01, 2007

Education

- **Bachelors** | University Of New Orleans

Skills

- **database** - 21 years
- **sql** - 21 years
- **data warehouse** - 10 years
- **etl** - 10 years
- **amazon athena** - 5 years
- **amazon ec2** - 5 years
- **amazon lambda** - 5 years
- **amazon rds** - 5 years
- **amazon redshift** - 5 years
- **amazon s3** - 5 years
- **amazon web services** - 5 years
- **aws** - 5 years
- **aws emr** - 5 years
- **aws glue** - 5 years
- **aws sagemaker** - 5 years
- **python** - 5 years
- **matillion** - 1 years
- **.net**
- **.net framework**
- **business intelligence**
- **c#**
- **database design**
- **databases**
- **disaster recovery**
- **entity framework**
- **etl tools**
- **integration**
- **microsoft sql server**
- **oracle**
- **oracle data integrator**
- **oracle fusion middleware**
- **oracle plsql development**
- **plsql**
- **sdic**
- **software development**
- **software development life cycle**
- **sql server integration services**
- **sql server management studio**

- sql server reporting services
- ssis
- t sql
- transact sql
- troubleshooting
- visual basic
- visual c#
- windows server
- wpf development
- azure - 1 years

Work Preferences

- Desired Work Settings: No Preference
- Likely to Switch: False
- Willing to Relocate: False
- Travel Preference: 25%
- Work Authorization:
 - US
- Work Documents:
 - US Citizen
- Desired Hourly Rate: 70+ (USD)
- Desired Salary: 135,000+ (USD)
- Security Clearance: False
- Third Party: False
- Employment Type:
 - Full-time
 - Contract - Independent
 - Contract - W2
 - Contract to Hire - Independent
 - Contract to Hire - W2

Profile Sources

- linkedin: <https://www.linkedin.com/in/john-dauphine-5868618>
- github: <https://github.com/jdauphine-mdsol>
- Dice: <https://www.dice.com/employer/talent/profile/14b1e00b77567b163fd09492f3e2dc63>