

Paul R.

Senior Data Engineer & Architect

TechHive
IT's simple with us

Professional summary

Data Engineering Leader and Architect with 15+ years of experience in designing, scaling and migrating enterprise-grade data platforms. Expert in cloud data warehousing (Snowflake, AWS), modern data stacks (DBT) and heavy production-grade performance optimization (cutting execution times by up to 85%). Proven track record of delivering end-to-end data products for global companies like Upwork and Credit Suisse. Passionate about highly efficient engineering practices, including AI-assisted development (Cursor), and building robust data quality frameworks. Focused entirely on advanced technical contribution and data architecture.

Education	**Belarusian State University / National Academy of Science** Master's degree in Organic Chemistry
Certification	1. **SnowPro Core Certification**. Snowflake, 2023 2. **Oracle Database 11g Administrator Certified Associate.** Oracle, 2013
Skills	**Programming & Scripting**: Python, Bash, SQL, PL/SQL, PowerShell, C# **Data Warehouses & Databases & Clouds**: Snowflake, AWS, Greenplum, Oracle, MS SQL Server, PostgreSQL, Hive **Data Engineering & Tooling**: DBT (Cloud/Core), Airflow (MWAA), Rundeck, Informatica PowerCenter **BI & Analytics:** Looker, Tableau, OBIEE **Methodologies & Tools:** Dimensional Modeling, CI/CD, Git, Scrum/Agile

Company	Upwork
Project	Upwork platform
Period	Jan 2021 – till now
Role	Product Architect, Data Management / Senior Data Engineer
Technologies	Python, SQL, Bash, Snowflake, Greenplum, AWS, Airflow, DBT, Looker, Git

Responsibilities

- Led and executed complex cloud migrations, transitioning legacy Greenplum infrastructure to Snowflake, shifting legacy SQL orchestration to DBT Cloud, and migrating workflows from Rundeck to AWS MWAA (Airflow);
- Tuned long-running warehouse scripts and complex SQL logic, cutting execution times by up to 85% (from 40-60 minutes down to 5-10 minutes);
- Built and maintained an end-to-end user segmentation platform, designing DBT pipelines, SCD history tables, backfills, percentile features and custom macros;
- Designed and deployed a unified analytical mart containing critical user attributes, integrating FTP/S3 data feeds via modern reverse-ETL tools (Hightouch / Braze);
- Extended the in-house DQ framework with statistical volume monitoring (stddev-based) and stale column detection; integrated alerts with Jira to minimize alert fatigue;
- Evaluated enterprise platforms (Atlan / Alation) for automated data lineage, description and cataloging.

Company	**Credit Suisse**
Period	Sep 2015 – May 2022
Role	Senior Oracle / ETL / BI Developer
Technologies	Python, SQL, PL/SQL, Informatica, Oracle, PowerShell, Tableau, OBIEE, MS SQL Server 2008, SVN/Git

Responsibilities

- Designed scalable dimensional models and ETL pipelines using Informatica PowerCenter and Oracle DB (PL/SQL), successfully onboarding new cross-border banking data sources;
- Spearheaded the Agile development of a new MS SQL Server Data Mart, utilizing Python scripting for unstructured/semi-structured data ingestion (XLS/CSV transformations);
- Built, deployed and supported enterprise-level executive dashboards using Tableau and OBIEE, establishing design documentation and project standards;
- Performed Python scripting for data ingestion (transforming XLS/CSV files into suitable format);
- Introduced Scrum/Agile methodologies to a newly formed BI delivery project team, increasing sprint velocity.

Company	EPAM Systems
Period	May 2014 - Sep 2015
Role	Senior Software Engineer
Technologies	SQL, PL/SQL, Oracle, XML, Bash, Hadoop, Hive

Responsibilities

- Maintained and optimized big data and relational ETL pipelines utilizing Oracle (PL/SQL) and Hadoop/Hive;
- Developed Bash shell scripts for seamless automated deployments, CI/CD routines, and feature installations.

Company	ScienceSoft
Period	Jul 2019 - May 2014
Role	Informatics Services & Support Engineer
Technologies	C#, Python, SQL, PL/SQL, Oracle, XML + XSLT

Responsibilities

- Handled customization of enterprise database components (custom SQL, triggers, XML/XSLT transformations) and configured software products for global clients;
- Delivered on-site technical training on software products and managed core customer support cycles.