Kaloyan K
Senior Senior ETL, DWH and BI Engineer

SUMMARY

- Over 15 years of expertise in designing and implementing ETL/ELT, high-availability databases and advanced BI solutions across cloud and on-premises platforms, including Snowflake, AWS, Azure, and SQL Server.
- Proficient in SQL (T-SQL, PL-SQL), Python (NumPy, Pandas), MDX, and ETL tools such as dbt, SSIS, and Azure Data Factory, with strong experience in data warehouse architecture and migration projects.
- Solid foundation in computer science with MSc in Microsoft Information Technologies and hands-on experience in Microsoft BI stack, cloud data engineering, and agile methodologies, including SCRUM and Azure DevOps.

TECHNICAL SKILLS

Main Technical Skills	SQL (13 yr.), dbt (2 yr.), Snowflake (3 yr.), Azure Data Factory (4 yr.), Databricks
Programming Languages	PL-Sql (7 yr.), Python
.NET Platform	ASP.NET MVC (1 yr.)
Java Libraries and Tools	MDX (7 yr.)
AI & Machine Learning	NumPy, PandasAI, ScyPy
Python Libraries and Tools	NumPy, Plotly, Seaborn
Salesforce Ecosystem	Salesforce (2 yr.)
Data Analysis and Visualization Technologies	Azure Data Factory (4 yr.), Databricks, DataFrame library, PandasAI, Polars (pola.rs, DataFrame library), Power BI (6 yr.), Presto S3 (1 yr.), Tableau (1 yr.)
Databases & Management Systems / ORM	AWS Redshift (1 yr.), dbt (2 yr.), Microsoft Azure SQL Server (4 yr.), Microsoft SQL Server (13 yr.), MySQL (1 yr.), Oracle Database (10 yr.), PL/SQL (7 yr.), PostgreSQL, Snowflake (3 yr.), SQL (13 yr.), SSAS (10 yr.), SSIS (10 yr.), SSRS (10 yr.), T-SQL (13 yr.)
UI Frameworks, Libraries, and Browsers	CSS (1 yr.), HTML (1 yr.)
Cloud Platforms, Services & Computing	AWS (2 yr.)
Amazon Web Services	AWS Lambda (1 yr.), AWS Redshift (1 yr.)
Azure Cloud Services	

	Azure App Service (4 yr.), Azure Data Factory (4 yr.), Azure DevOps (3 yr.), Azure DevOps Server, Databricks, Microsoft Azure SQL Server (4 yr.)
Deployment, CI/CD & Administration	CI/CD (3 yr.)
Third Party Tools / IDEs / SDK / Services	Excel (10 yr.), Office 365, PowerPoint (5 yr.), Power Query (1 yr.)
Blockchain and Decentralized Software	Foundry (2 yr.)
Version Control	Git (3 yr.), SVN (3 yr.)
Collaboration, Task & Issue Tracking	Jira (3 yr.)
Scripting and Command Line Interfaces	PowerShell (5 yr.)
Platforms	Salesforce (2 yr.), SAP, SharePoint (5 yr.)
Methodologies, Paradigms and Patterns	Scrum (3 yr.)
Operating Systems	Unix (13 yr.)
Other Technical Skills	DAX Studio (1 yr.), ex TFS Team Foundation Server, Visual Basic (1 yr.), XMLA (5 yr.)

WORK EXPERIENCE

SENIOR DATA ENGINEER - Merck Group (Data delivery and maintainability through medallion architecture)

Duration: March 2022 – Current

Summary:

- Large-scale modernization of enterprise data ecosystem by migrating legacy Qlik Sense ETL pipelines to a new high-availability Data Hub built on Snowflake and dbt
- The project aimed to consolidate fragmented data processing into a unified, scalable, cloud-based architecture integrating with Palantir Foundry and Qlik SaaS, reducing technical debt and retiring on-premises dependencies

Responsibilities:

- Designed entire DWH architecture from scratch with ELT/ETL using SQL across multiple data layers.
- Led migration of numerous sources and tables from Salesforce and Qlik Sense code to dbt and Snowflake.
- Developed complex integration layer logic with extensive business definitions.
- Managed code and deployment using Azure DevOps.

Technologies: SQL, Snowflake, dbt, Azure DevOps, Salesforce, Qlik Sense, Palantir Foundry

BI, DWH CONSULTANT - eSports Technologies, US (Tactical Data Warehouse Architecture)

Duration: September 2020 – March 2022

Summary:

- Established a comprehensive cloud-ready data warehouse infrastructure for a fast-growing startup, integrating operational, financial, and analytics business dimensions
- The solution ensured real-time access, full governance, and automated reporting to support informed decision-making and advanced analytics readiness

Responsibilities:

- Designed data architecture, modeling, and reconciliation of diverse data sources aiming for full automation.
- Developed Power BI operational reports and dashboards for ETL process tracking and business metrics.
- Implemented ELT automation and performance tuning on Amazon RedShift clusters.
- Supported main data consumers using Tableau and Power BI.

Technologies: Amazon RedShift, S3, Lambda, Power BI, Tableau, Dataddo, Power Query, DAX

Senior DWH Developer & Tech Team Lead - The Stars Group, UK (Enterprise BI Solutions and Team Leadership)

Duration: June 2017 – September 2020

Summary:

- Led the development and enhancement of enterprise BI solutions for the world's largest online cardroom company, supporting over 70 million clients globally
- Ensured SOX compliance and improved data mart accuracy while managing a remote development team in Bulgaria

Responsibilities:

- Designed end-to-end BI architecture including ETL, data modeling, and reporting.
- Led and trained a remote technical team to achieve self-sufficiency and productivity.
- Developed using full Microsoft BI stack: SSIS, SSAS, SSRS, and Azure technologies.
- Managed over 15 TB data warehouse on SQL Server and integrated Azure Data Factory and Data Lake for raw data extraction.
- Ensured compliance with auditors and maintained documentation and coding standards.

Technologies: SQL Server 2016/2019, SSIS, SSAS, SSRS, Azure Data Factory, Azure SQL Database, Azure Analysis Services, Power BI, GIT, SVN, Jira

Snr Developer – Database and BI - Ladbrokes Coral (Company Merger and Data Transformation)

Duration: November 2016 – May 2017

Summary:

- Led the data transformation and integration project following the merger of Ladbrokes and Coral, combining historical and current data sources to create unified analytical and reporting functions

- The project resulted in the largest market share and retail presence in the UK betting industry

Responsibilities:

- Transformed and integrated data from multiple source systems including SQL Server and Oracle.
- Developed Microsoft BI platform solutions for combined analytics and reporting.
- Collaborated with stakeholders to agree on source systems and data governance.

Technologies: Microsoft BI platform, SQL Server, Oracle

Snr Developer – Database and BI - Gala Coral Group, Gibraltar (UK) (Data Warehouse and BI Development)

Duration: January 2014 – November 2016

Summary:

- Implemented presentation layer and contributed to building the data warehouse supporting multiple business teams including C-level executives
- Supported the company's rapid growth as a leading gaming operator in Europe with doubling revenues

Responsibilities:

- Developed and maintained SQL Server and Oracle databases and data structures.
- Created business logic, performance tuning, and automation scripts for reporting needs.
- Developed MDX queries for analytical cubes supporting financial and CRM analysts.
- Managed security access and data migration between Oracle and SQL Server.
- Produced periodic reports and dashboards for Marketing, CRM, and Finance teams.
- Utilized SharePoint 2013 BI features for reporting and documentation.

Technologies: SQL Server 2014, Oracle, T-SQL, PL-SQL, MDX, PowerShell, SharePoint 2013, SSRS, SSAS

Snr Developer – Database and BI (Finance Team) - Coral Interactive, Gibraltar (UK) (Finance Reporting and Data Reconciliation)

Duration: November 2012 – December 2013

Summary:

- Supported the finance team by developing reports, reconciling data, and defining KPIs and business data dictionaries
- Delivered over 50 reports including daily management packs and executive dashboards for a 24/7 gambling and casino interactive services business

Responsibilities:

- Developed SSRS, SharePoint, and SSAS cube reports for finance and executive teams.
- Performed data reconciliation between source systems, data warehouse, and reporting layers.
- Developed Oracle 11g database objects in RAC environment and managed deployments.
- Provided Excel reporting and training for BI users.

Technologies: Oracle 11g, SQL Server, SSRS, SSAS, SharePoint, T-SQL, MDX, PowerPivot, Excel

IT Business Intelligence Consultant - Flexware Innovation, US (Manufacturing BI Project)

Duration: September 2011 – March 2012

Summary:

- Delivered a major BI project for a global manufacturing client that doubled company turnover by completing the project on time and under budget
- Focused on performance tuning and building ETL packages and reports

Responsibilities:

- Performed performance tuning including indexing and partitioning.
- Developed SSIS ETL packages and SSRS reports based on requirements.
- Utilized SharePoint 2010 for BI solutions.

Technologies: SQL Server, SSIS, SSRS, SharePoint 2010, T-SQL

Database Developer / Junior Analyst Programmer - ERA Environmental solutions, Canada (Environmental Consulting SaaS Solution Development)

Duration: July 2011 – March 2012

Summary:

- Developed complex reports and database modules for a SaaS environmental consulting solution used by major automotive companies
- Assisted in infrastructure and security model design

Responsibilities:

- Developed complex stored procedures, functions, and chemical calculations in T-SQL.
- Performed query analysis and optimization in a multi-tier architecture.
- Assisted with production server updates and Active Directory security model design.
- Contributed to ASP.NET and Visual Basic.NET tasks and debugging.
- Managed development using Team Foundation Server 2010.

Technologies: SQL Server, T-SQL, ASP.NET, Visual Basic.NET, Team Foundation Server 2010, Active Directory

Trainee – Database and BI technologies - Flexware Innovation, US (Database and BI Development and Maintenance)

Duration: May 2010 – May 2011

Summary: Gained hands-on experience in database development, performance tuning, and maintenance tasks including SQL Agent jobs and stored procedures for BI technologies.

Responsibilities:

- Developed stored procedures, functions, triggers, and queries.
- Performed performance tuning and maintenance tasks.
- Participated in user acceptance testing and SAP working skills.

Technologies: SQL Server, T-SQL, SQL Agent, SAP

EDUCATION

- **MSc Microsoft Information Technologies**
  Scholarship Programme at Technical University of Varna
  September 2009 – July 2012
- **Cisco programme**
  4 modules providing deep knowledge in computer networks world at Technical University of Varna
  September 2009 – February 2010
- **Bachelor's Degree in Computer Science and Technology**
  Technical University of Varna, Bulgaria
  2005 – April 2009
- **Erasmus Scholarship Programme**
  Development of a bachelor's thesis at Otto-von-Guericke University, Germany
  April 2009 – September 2009

CERTIFICATION

- **SnowPro Core Certified Professional**
  Certification ID S0018898
- **SQL Server 2008 – Database development and management**
- **SQL Server 2008 – Database administration and maintenance**
- **Udemy courses**
  30+ lifetime learner