V L A D I M I R   B E Y D E R

PRINCETON NJ, 08540

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DATABASE DEVELOPER, SYSTEMS AND DATA ARCHITECT, DEV LEAD

Highly accomplished application developer and tech lead with emphasis on back-end and database (DB) as a foundation for a solid and robust implementation. Extensive technical and business expertise. Experienced in leading multicultural onshore and offshore development and support teams.

Strengths include business analysis, data modeling, application DB design and development, financial computation (waterfall), application life-cycle management, database and data warehousing technologies, problem solving, innovation thinking. Multilingual in English and Russian.

Core Competencies & Technical Proficiencies:

• Application and data architect	• Application and Data Base developer
• Application database administrator (DBA)	• Data warehousing (DW)
• Agile Scrum, Kanban, Waterfall and full SDLC	• Data governance
• Multiple programming languages	• Systems integration, ETL/ELT
• Multiple SQL and NoSQL database vendors	• Business analysis and requirements
• Data Modeling: entity relational, anchor, current, temporal, bi-temporal, graph	• Alternative investments, Real Estate (RE) and Private Equity (PE) fund accounting and calculations

SYSTEMS, APPLICATIONS & TOOLS

Databases:	Oracle, Sybase, Microsoft SQL Server, Ingres, MS Access; Exposure to MongoDB, PostgreSQL, AWS Redshift, AWS Dynamo Db, Snowflake,
Cloud technologies:	AWS: S3 storage, EC2, Dynamo Db, Lambdas & Step Functions
Data Modeling:	Erwin, ER-Studio, Unified Modeling Language (UML)
DW, BI and ETL/ELT:	ALTERYX, SNOWFLAKE, Golden Gate, SSIS, DATA STAGE, INFORMATICA
Languages and Tools:	SQL, PL/SQL, T-SQL, UNIX Shell, Python, Java Script, C/C++, Java, Visual Basic; HTML, XML, Git/GitHub, ClearCase, and Perforce

PROFESSIONAL EXPERIENCE

STATE STREET, Princeton, NJ   **5/2022 – present**
Vice President, Lead Developer, SME.

- Lead developer on strategic re-tooling project for the Real Estate Fund Accounting Calculation System for Morgan Stanley.
- Defined the goal and the approach the for modularization of the Calculation Workflows using Alteryx macros.
- Suggested decomposition of Distributions, NAV and FEE calculations into reusable modules for Alteryx implementation.
- Implemented Unfunded Commitment module and feed to Investor Correspondence module for Draw Down calculation.
- Designed a database to support business process around the Alteryx Flows and future feeds to SSCD.
- Participated in a continuous support and enhancement of the DHUB – State Street back-office trade settlement, reconciliation, valuation and accounting system.

BROADRIDGE, Jersey City, NJ   **5/2021 – 5/2022**
Dev Lead – Consultant

- Lead a team of data engineers in implementation of a data flows to deliver data from the company's Fee Calculation Revenue and Billing System (Revport) to a major Client. The ELT flows were configured within in-house server-less pipeline framework implemented in AWS. Delivered to Client in time within budget.

STATE STREET, Princeton, NJ   **2/2012 – 4/2021**
Vice President
System and Data Architect, Lead Developer, SME.

11/2018 - 4/2021
- Implemented data strategy solution for private equity (PE) and real assets (RA) data integration and data warehousing using enterprise-wide data service platform (ESP). Ensured data was fed from fund accounting, portfolio management, general ledger, and other internal systems, then integrated, transformed, enhanced, and delivered or presented in a holistic unified view to the business and diverse groups of clients.

2/2012 – 11/2018
- Enhanced and maintained the real estate and private equity investment fund accounting platform handling multiple funds with total assets under management (AUM) of approximately $30B USD, and performing complex limited partnership agreement (LPA) investor-level calculations with large volumes of detail transactional data. Lead a team of onsite, offsite and offshore developers.
- Designed, developed, and supported the system's data repositories, ensured interoperability and integration of the component subsystems.
- Principal developer of the reporting data warehouse that interfaced BI subsystem and integrated with fund-level ledger and investor services subsystems. Ensured consistency and near-real time delivery of calculation results and dimension changes to the data warehouse.

MORGAN STANLEY, New York, NY   **1999 – 2/2012**
Senior Technical Lead and Architect

- Principal architect of the Real Estate Funds calculations and reporting system. Provided Morgan Stanley (MS) controllers with an investor level sub ledger, analytical and calculation tool for the MSREF family of funds. Lead a team of onshore and offshore developers in re-engineering, enhancement, and support of the system.
- Ensured stability, continuity, and consistency of the implementation.
- With minimal resources (three to six people), scaled up processing and support from three funds to a total of nine domestic and international funds, with ever increasing functionality, complexity of algorithms, and volumes of data, serving funds with about $10B of committed capital and assets under management.
- Co-authored and patented the technology which was a key intellectual property asset acquired by State Street as part of the function transfer from Morgan Stanley.

Other:
EXEL Reinsurance, Bermuda; MetLife, NJ; Republic National Bank, NY; Sandata Technologies, NY;

EDUCATION

Master of Science, Computer Science, minor in Applied Mathematics, with honors, GUBKIN RUSSIAN STATE UNIVERSITY OF OIL AND GAS, USSR

Patent, Recent Trainings and Certifications