**Igor Rozenberg**

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**Professional Summary:**

* Experienced as Cloud Data Lake, Data Warehouse, Business Intelligence & Reporting Architect for major Fortune 500 firm projects, developing ETL integration, Analytical solutions, MDM and Reference Data Repositories andData Marts, reporting & visualization solutions across a broad range of business verticals. These repositories focused on minimizing firm wide risks, improving cross-application consistency, and reducing operating costs.
* Strong experience in Business Analysis Functions - documenting, preparing, presenting of following: Business Requirements, Technical Requirements, Functional Specs, Test Plans, Gap Analyses, Service Level Agreements, Statements of Work, Change Management Requests, Work Orders.
* Extensive experience as manager of development projects, which always deliver on-time and on-budget with full end-user support.

**SKILLS:**

**Clouds:** Azure, AWS

**Databases:** SQL Server (including Azure Synapse), Cosmos DB, Oracle, Sybase, Teradata, Netezza, DB2, Essbase, TM1, HadooP, Azure HDInsight, Mongo DB, Elastic Search, KAFKA

**Software:** Azure Data Factory,SSIS, Informatica, DataStage, DataFlux, SSRS, Cognos, MicroStrategy, Business Objects, PowerBI, Tableau, SharePoint, Microsoft MDS, WhereScape 3D/RED, ERWin, ER Studio, MS Visio, XMLSpy, Control M, AutoSys

**Languages:** Python,C#, VB.NET, Java, T-SQL, PL/SQL, XMLA, MDX, DAX, JavaScript, VBScript, ASP.NET, XML, XSLT

**Tools:** MSMS, BIDS, Visual Studio Core, Toad, MS Office, MS Project, TFS, JIRA, Remedy

**Methodologies:** SDLC, Agile, XP, PRINCE2, Scrum, Kanban, DSDM, DAD, Waterfall, CMMI, JAD, UML, ETL, ELT, OLAP, OLTP, SOA, EIB, DW 2.0, Data Vault 2.0, Inmon, Kimball

**EXPERIENCE:**

**ITSP Inc.**

**EDW\BI Manager\Architect\Contractor for Clients 2005 - Current**

***Selected Assignments Relative to Applied Job***

**AIRGAS**

***Azure Cloud*** ***Data*** ***Enablement Architect (November 2022 – Present)***

* **Directed** complete end-to-end efforts for Hybrid Cloud Data repositories data reconciliation across global company, providing automated and customized validation controls library. Put under control discrepancies identification process, during ETL and data reconciliation, reduced risk and avoided propagation of inaccurate data throughout the enterprise.
* **Lead** the planning and implementation of Azure Cloud Transformation program which includes projects for transforming IT Infrastructure services into cloud-enabled, i.e. SSO, AD, Cloud Key Vault, Virtual Private Networks, Cloud SQL and NOSQL DBs.
* **Involved** in design and development of ADF Pipelines for data ingestion and data transformation to Delta Lake.
* **Built** Data Lakehouse architecture including multiple POCs with Azure tools and technologies, based on Delta files and Azure Synape.
* Snowflake (Saas) Architecture, Snowflake Data Migration, Snowflake Connectors, Snow SQL, Attinuity, Databricks Workspace, Databricks ML Flow, SDLC, PMBOK, Agile Scrum
* **Developed** Python Notebooks for Databricks to load streaming and batch data into ADLS.
* **Resolved** PySpark issues during production loads such as data purging, data pruning, shuffle partitioning, predicate pushdowns etc.

**MEIJER**

***Azure Cloud*** ***Data*** ***Enablement Architect (August 2020 – October 2022)***

* **Architected** Real-Time ingestion of on-line orders from the web application backend into Delta Lake using Databricks.
* **Designed** Power BI Services reporting framework over big datasets, loaded from Cosmos DB analytical store. Connected Azure Cosmos DB database to an Azure Synapse workspace using Azure Synapse Link for Azure Cosmos DB for real-time analytical reports.
* **Configured** Azure tools such as ADF, ADLS Gen 2, Azure Functions & Azure Logic App etc. to satisfy the best practices architecture framework requirements.
* **Utilized** Delta format on Data Lake along with Parquet files to conduct Data Lake operations with best efficiency.
* **Developed** numerous Databricks notebooks with a combination of Python, Scala & SQL for different data models based on Data Analysts specifications.
* **Created** Logic Apps with different triggers, connectors for integrating the data from Workday to different Azure destinations.

**MCAFEE**

***Azure Cloud*** ***Data*** ***Enablement Architect (March 2019 – July 2020)***

* **Architected** Data Vault 2.0 semantic layer model using ADLS, sourced from on-prem Oralce Datawarehouse via Wherescape 3D/RED.
* **Facilitated** data governance and data quality dimensional standards (Uniqueness, Accuracy, Consistency, Completeness, Timeliness, Currency, Conformance, and Referential Integrity) in order to support data load performance KPI Scorecards into Azure SQL Datawarehouse.
* **Developed** Databricks Notebooks using Pyspark and Spark-SQL for data extraction, transformation and aggregation from multiple file formats for analyzing & transforming the data to uncover insights into the customer usage patterns.

**ASTORIA BANK**

***Cloud*** ***Data*** ***Enablement Architect (September 2017 – February 2019)***

* **Architected** self-service Power BI framework for Users of Options Trading Risk team analyzing, troubleshooting, tuning performance and fixing deployment issues.
* **Managed** reviewing data files in Azure Data Lake for proper format; identifying, investigating, and resolving data anomalies via coding institution-specific SQL integrity checks statements; preparing various data conformance reports, charts and KPI’s to ensure the overall successful delivery of the datasets.
* **Developed** real-time streaming Databricks Notebooks integrated with Kafka to handle large volume and velocity data streams in a scalable, reliable and fault tolerant manner for Confidential Clients Information Campaign management analytics.

**MIZUHO BANK**

***Risk Transformation Architect (June 2016 – August*** ***2017)***

* **Managed** Project Plans and work streams distribution formigration and export of large data sets from on premise platforms into/from Azure cloud-based.
* **Strategize** enterprise-wide policies for Compliance Systems, Technology and Data Integrity data scrubbing, i.e. detecting and removing and/or correcting a Data Refineries for the Big Data unclean data - inaccurate, outdated, superfluous, unfinished, or formatted improperly. These efforts brought consistency to BCBS 239 dissimilar sets of data, which have been amalgamated from desperate data end points and users computing.
* Applied ITIL v3 principles and standards for Cloud transitioning of on-premise data center best practices, high-availability systems, capacity planning, system performance evaluation, and diagnostic techniques and methodologies.

**MUFG**

***Cloud Transformation Architect (June 2015 – May 2017)***

* **Set** the technical and operational direction and communicating a vision to the enterprise units based on business objectives and technological trends in designing solutions using IaaS, PaaS, and SaaS.
* **Managed** designing & deployment strategies for cloud/virtualization and digital transformation implementation best practices of products/services roadmaps, authored business (BRDs) and technology (FRDs) documentation, managed vendor relationships (e.g. RFIs, RFPs, and RFQs), shortened delivery cycle by streamlining numerous processes, and developed marketing collateral (data sheets, white papers, newsletters, Web (HTML), etc.).
* **Reduced DevOps** support issues by 50%. Increased profitability by 62%, growing revenue stream and reducing costs. Educated business teams on new applications and processes, related to cloud platform and feature enhancements and ensure teams are equipped and trained appropriately.

**NOMURA**

***Capital Markets Architect (June 2013 – May 2015)***

* **Communicated** and presented progress on managed projects to all stake holders and senior executives while mitigating operational risks.
* Developed and **managed** strong relationships with senior stakeholders across the company to help prioritize and advocate work effectively on data migration, data store creation, security, Replication, Backup and anything to do with Azure Data Life Cycle end to end.
* Developed full scale project plans and detailed WBS’s, working with various internal business units on moving applications from on premises to Azure cloud platform.
* **Coordinated**, developed, and executed programs for KPIs’ continual measurement and improvement of the Cloud DevOps for optimal performance and effectiveness.
* Assigned and coordinated the work of staff, contractors and vendors’ on-shore and off-shore.
* **Established** architecture governance processes and stewardship policies for Hybrid Cloud Data Warehouse Framework to ensure that all business groups have insight and input into enterprise architecture processes, thus creating a sense of global ownership.
* Responsible for budget planning and forecasting, resource allocation, vendor management for a complex Software-As-A-Serice development of Analytics Program using TOGAF architectural guidelines.

**COHEN & STEERS**

***Solutions Architect (February 2012 – May 2013)***

* **Directed** Regulatory Reporting Repository, which provided centralized information source for the data models in Inmon and Kimball shapes, data maps, processes, documents, contact lists, project calendars and issues.
* Implemented DSDM project management approach using MoSCoW prioritization of scope. Followed ATERN v.2 project life-cycle methodology in order to achieve **in-time delivery of 20 Team members**.
* Responsible for **budget planning and forecasting over $5M** per year, resource allocation, vendor management for a complex Cloud Technology Transformation project.

**JP MORGAN CHASE**

***Principal Architect (May 2010 – February 2012)***

* **Managed** whole loans securitization Analytics and Business Intelligence Regulatory Reporting initiative.
* **Directed** delivery of **real-time, high-performance, high-availability 24/7** Fixed Income Trading **EDW**, including MDM and Reference Data repositories, to identify and document similar counterparties across multiple trading systems in a counterparty repository, which had been used for CMBS, RMBS trade history enrichment.
* Was responsible for the development of reporting systems standards, policies and procedures; security and disaster recovery plans.
* Managed day-to-day operations and implements necessary system modifications at a minimum cost and effort.

**INFONIC AG/BLACKSTONE**

***Principal Architect (January 2008 – April 2010)***

* **Managed expansion** of the Hedge Fund-of-Fund Portfolio Administration Management software “HedgeSphere” into analytical landscape.
* Released incremental functionality to the business to keep the business community engaged, gain new insights into the data, refine unclear business rules, and maintain forward project momentum.
* Evaluated the current state of **data management**, integration, and distribution across multiple departments and developed a comprehensive **strategy and roadmap** to integrate information from over **100 IT systems**.

**CREDIT SUISSE**

***Technical Project Manager (December 2005 – December 2007)***

* **Supervised** a core **team** of approximately **10 resources** including the establishment, staffing, and management project team of offshore/onshore developers, who performed routine coding and unit testing.
* **Integrated onshore/offshore teams** to develop close ties between team members and encouraged open communication on both sides to ensure that questions and issues were resolved as quickly as possible. Reorganized work schedules to maximize uptime for both onshore/offshore teams and ensure on-time delivery of project milestones.
* **Delivered P&L Data Warehouse project** on-time and on-budget with full end-user support. That improved data quality and availability, and reduced overall **costs by** **$5M** per year, and the project team was retained by client after project conclusion to deliver additional system updates and enhancements.

**ALLIANZE**

***Principal Architect (January 2005 – November 2005)***

* **Proposed** modifications to architecture added significant value to marketing efforts by **enabling the business** to scientifically find and strategically market to prospects as well as core customer base, **perform accurate customer profitability analyses**, effectively cross-sell and up-sell products to existing customers, perform retention and churn analysis, and effectively manage information flow to and from the Market Vendor’s network.

EDUCATION

State University (Ukraine) – MS in Mathematics.

Presenter at industry conferences, technical groups and taught many technical classes.