**Dzianis Zmushka, BI Developer / Data Analyst**

**Overview**

Knowledge of mathematics, economics and accounting principles and practices, the financial markets, banking, and the data analysis and reporting.

Big experience with MS Office products (Power BI, Excel, Access, PowerApps), SQL (SSIS, SSRS, SSAS) and VBA.

More than a year of practical experience with SAP products and solutions such as SAP BPC both in budgeting and consolidation processes, SAP BW/BI in setting up data loading and transformation, building analytical reporting by means of BEx.

Some experience in C++, C#, Python, PHP, HTML/CSS, JavaScript, R, Tableau, QlikView, SAC and other programming languages and BI tools.

**SAP Career Summary**

* VBA, ScriptLogic and ABAP script development skills
* Work and practical experience in BPC Classic, BPC Embedded, BI-IP, BI-BW, BOBJ
* Knowledge in the field of budgeting and building data warehouses
* Work in SAP Analytics Cloud and SAP Data Warehouse Cloud

**Non SAP Career Summary**

* Work and practical experience in Power BI dashboards, PowerApps canvas and other MS Office products
* Knowledge in SQL (SSIS, SSRS, SSAS), DAX, VBA, HTML/CSS, JavaScript, PHP and other programming languages
* Work and practical experience in Tableau

**Work experience**

**Since 17.02.2022 – LeverX Group**

**Developing reports in Power BI for Purchasing Group**

**Power BI Consultant**

Project details:

Development of Power BI dashboards similar to SAP transactions based on SAP tables (SAP data migration to SQL) for Purchasing Group

Major Responsibilities:

Source systems analysis, requirements collection and formalization, methodology description for calculating indicators, prototypes reports alignment with the customer, tabular data model and reports development in Power BI.

The project included:

One of the main tasks of this project was the migration of SAP data to the Power BI dashboard using SQL. The complexity of the project was that when migrating SAP data to SQL, clusters are divided into tables, tables are loaded but not transactions that business users worked with. Accordingly, it was necessary to repeat the logic of transactions on the side of Power BI (using DAX).

First of all, the customer was interested in information about purchase orders. Additionally, there were requirements for the reflection of accounting documents, vendors and check register with the possibility of drilling through to other indicators.

About 40 dimensions and 20 measures were used to implement the product.

SAP Environment: SAP ERP.

Microsoft Environment: Microsoft Power BI.

**03.04.2022 – 08.07.2022 – LeverX Group**

**Developing reports in Power BI for Purchasing Group**

**Power BI Consultant**

Project details:

Development of Power BI dashboards with opening files directly in Power BI for Purchasing Group

Major Responsibilities:

Source systems analysis, requirements collection and formalization, methodology description for calculating indicators, prototypes reports alignment with the customer, tabular data model and reports development in Power BI.

The project included:

The main object of the project was to load requisition and contract data from a SQL database (where data from another implemented product was loaded) into Power BI. In the previous product, it was inconvenient for the customer to work with primary documents, so the main requirement for the new product was the following: to allow opening files directly in Power BI in one click. The files were stored in the SQL database as a hex code.

First of all, it was necessary to encode the files in SQL and place them on the server in the required structure, so that it would be possible to implement the function of opening files in Power BI correctly. For encoding files JavaScript and Node JS were used.

To implement the product, about 15 dimensions and 4 measures were used, as well as attributes with local links to files.

Microsoft Environment: Microsoft Power BI.

**Since 01.07.2021 – LeverX Group**

**Developing reports in Power BI for Supply Chain**

**Power BI Consultant**

Project details:

Multidimensional data model development in SQL Server Analysis Services and reports (dashboards) personalization in Power BI for Supply Chain

Major Responsibilities:

Requirements collection and formalization, methodology description for calculating indicators, prototypes reports alignment with the customer, source systems analysis, multidimensional data model and reports development in Power BI.

The project included:

Project requirements collection, source systems analysis (SAP systems, SQL servers, API), multidimensional data model architecture development and its demonstration to the customer for approval. Forms formalization, calculations automation and description of their algorithms. Prototype reports design harmonization for subsequent work with productive databases using DAX queries. Data loading from SAP systems into a SQL server for multidimensional data model development, report personalization tool implementation. MDX queries design in SQL Server Analysis Sevices based on customer needs. Personalized reports (dashboards) development in Power BI. Development of a unified database of directorate employees together with other contractors of the customer. Unified customer directorate employees database development.

SAP Environment: SAP BW, SAP ERP, SAP SRM.

Microsoft Environment: Microsoft Power BI.

**02.12.2020 – 30.06.2021 – LeverX Group**

**Production**

**SAP BW/BPC Consultant**

Project details:

Budgeting system development and implementation for a manufacturing company. Main budgets planning processes automation. Income and expenses, cash flow, investments as well as production planning tasks automation.

Major Responsibilities:

Requirements collection and tasks formalization, approaches of planning description, conceptual design, documents alignment. Planning system prototype development and demonstration, methodology refinement based on production system data. Setting up of forms and reports, script logic and VBA macros development to implement calculations.

The project included:

Questionnaires preparation and preliminary requirements collection, analysis of the provided planning forms and reports, examples with calculations. Formalization and unification of forms, adaptation of their structures to the system, automatic calculations design and their algorithms description, followed by agreement with the customer.

Conceptual design of a planning system based on agreed templates of forms (reports) and calculations, selection of the SAP BPC optimal configuration for these conditions. Demos of main mechanisms described in the conceptual prototype design as well as approval of documents with the Customer.

Templates development for input forms and reports to simplify subsequent customization and adjustments. Setting up the input forms according to the described methodology, demonstrating the settings to the Customer with the subsequent approval of adjustments.

Script logic development and data manager packages configuration to automate local calculations during planning. VBA macros development for performing calculations at the level of MS Excel workbooks, assembling tasks of the same type into a library.

Internal project team management, tasks distribution and verification.

Design and customization of permissions and business process flows (BPF).

The project included: SAP BPC 11 (Standard), EPM Add-in, SAP BW/4HANA

**04.01.2019 – 01.11.2020 – KPMG International**

**Data Analyst, BI Developer (working for Consulting department)**

* Dashboard and canvas development for performing clients audit tasks in Power BI, PowerApps, Power Automate and Tableau
* Developments to automate the preparation of financial statements in accordance with IFRS
* Web service development using HTML/CSS, JavaScript, PHP
* Primary documents reconciliation with accounting data and customer inventories verification
* Financial data processing in Excel and IDEA, databases development with subsequent use to perform audit procedures
* Audit procedures streamlining with VBA macros
* Conducting trainings for internal employees of the company for the Financial Modeling World Championship (Model OFF)

**Education**

**2015-2019: Belarusian State Economic University**

Faculty: International Economic Relations

Qualification: Economist

**Certificates**

[SAP Business Planning and Consolidation 10.1 and 11.0](https://www.credly.com/go/5AwAnL3d)

**Language Skills**

English (B1)

German (B1)