

## IT Interests:

Data lakes, building hybrid data warehouses (relational and unstructured sources) and clouds

What did I do in the areas?

- Participated in "Data Vault 2.0 Boot Camp and certification" – Zurich , December 2019
- Read books:
  - o Data lake Architecture – Bill Inmon
  - o The Enterprise Big Data Lake – Alex Gorelik

Finished courses (Udemy for business):

- ! "The Ultimate Hands-On Hadoop - Tame your Big Data!" by Frank Kane - Hadoop and ecosystem training (local installation on my computer) :  
*Gained basic thoretical knowledge on hadoop ecosystem and done at least one practical exercise in almost all areas : MapReduce, SQOOP, Hive, Pig, Spark 1/2 using Python, Apache Drill/Phoenix, Presto, YARN, Zookeeper, Oozie, Kafka, Flume, Spark streaming, Storm, Flink, Zeppelin notebook using Scala + NoSQL: Hbase/mongoDB/Cassandra*
- ! Various python courses on Udemy for business/Datacamp (pyspark) – this made it possible for me to take on real jobs with spark below

**Current ongoing training:** Azure fundamentals, next AWS Practitioner and AWS Architect

**Currently reading:** Spark: The Definitive Guide – next "High Performance Spark"

## Project experience

***01.04.2020 to 30.06.2020 - Recent additional projects (apart from below contract with Ework):***

1.

**Business purpose:** Creating analytical tables for data scientists over core data lake

**Position:** Data engineer

**Team:** 9

**Responsibilities:** Building ETL scripts over core data lake to prepare data for data scientist's analysis (analytical base table on sales data), validating extracts, spark optimization

**Technologies:** Spark (Azure Databricks), Python (spark data frames, little of pandas) - jupyter notebook & py modules , SQL, DBFS

2.

**Business purpose:** ETL on media data

**Position:** Data engineer

**Team:** 7

**Responsibilities:** Building ETL over media data to cover reporting needs

**Technologies:** Cloudera EDH on AWS, Hue (Hive/Impala), Python, SQL

## **May 2018 – up to date – Ework (contract)**

**Business purpose:** Banking data warehouse development and maintenance

**Position:** Expert/Senior

**Role:** Informatica Developer

**Team:** 9 people

**Responsibilities:**

Building various layers of data warehouse – DSA – EDW (Data Vault) and data marts, unit testing, solving incidents, working according to agile (SAFe)

**Technologies:** Informatica Powercenter 9.5 & 10.2, Netezza, MSSQL, DB2, Tivoli Scheduler, Jenkins, Mercurial, SVN, Remedy, HP ALM, Informatica DVO

## **September 2016 – April 2018 – Relyon (contract)**

**Business purpose:** 1.Data virtualization 2. Building data staging area

**Position:** Expert/Senior

**Role:** ETL Developer

**Team:** 12 people

**Responsibilities:**

*Project 1:* Data virtualization

Integrating data and building layers over huge amount of data from data warehouse among other sources for global FMCG client.

**Technologies:** Vertica, Cisco Integration Server – Studio, control-m, dBeaver, SQL, Unix

*Project 2: Building corporate data warehouse*

Analysis of source data, building of data staging area, unit testing, leading and educating technically team members, verifying supplier solutions, optimizing processes, Kimball methodology

**Technologies:** Oracle 12g, Informatica Powercenter 9.6, Unix, Custom scheduling tool, SQL, PL/SQL

**March 2012 – August 2016**  
**Energy**

**Senior IM Consultant – Dong**

**Business purpose:** Creating enterprise data warehouse platform

**Position:** Senior IM Consultant

**Role:** Data Warehouse Developer

**Team:** 8 people

**Responsibilities:**

Designing and Creating ETL processes to move new data sources into ODS, OWB experts creating for various purposes including ETL and dimensional model (type1, type2 dimensions, fact – Kimball model), performing analysis of source data in order to create/clarify requirements and design flows and dma schemas, unit testing, assisting testing team in their tests, documentation creation, technical leading of younger team members in they every day work, 3<sup>rd</sup> level support, incidents solving, processes optimization

**Technologies:**

Oracle 11g (SQL, PL/SQL), Oracle Warehouse Builder 11g, Erwin, Control-M, Business Objects

**June 2008 – February 2012**

**Consultant - Econsulting/Roche**  
**Senior DW Developer (contract)**

**Several projects for global pharma corporation**

**Business purpose:** Data migration and development of reporting database

**Position:** Senior Oracle Consultant

**Team:** 11 people

**Responsibilities:**

Verifying of migration processes, development of new reporting and migration procedures, unit test conduction, technical documentation writing, tuning of PL/SQL database procedures, dividing and monitoring of tasks within system dedicated sub-team, assisting team colleagues in the design, development and solving technical issues, designing and implementing various ETL processes (Informatica Powercenter 8.6)

**Technologies:**

Oracle 9i, 10g, 11g (SQL, PL/SQL), TOAD, Informatica Powercenter 8.6, Unix, Test Director and Quality Center, Oracle Forms & Reports, SVN

**September 2007 – May 2008**

**Data Warehouse project – IT**  
**Kontrakt/Warta (contract)**

**Business purpose:** Premium simulation analysis and staging data preparation

**Position:** Data Warehousing/Oracle Consultant

**Team:** 7-10 people

**Responsibilities:**

Analysis of financial premium simulation process, designing solutions of new staging modules and creating adequate procedures.

**Technologies:**

Oracle 9i (SQL, PL/SQL), SQL Developer, Oracle Discoverer, Business Objects

**May 2007 – September 2007 Roche – process re-engineering project**

**Business purpose:** Process reengineering

**Position:** Analyst

**Team:** 5 people

**Responsibilities:**

Analysis and verification of existing documentation, proposing new solution alternatives, creating System Delivery Specification including detailed process documentation including UML diagrams.

**Technologies:**

System Architect (UML), Test Director

**June 2006 – August 2006 e-Shop for Econsulting WebSphere Commerce implementation project**

**Business purpose:** Enable Internet sales of the books – B2C and B2B e-Shop

**Position:** WebSphere Commerce Developer

**Team:** 3 people

**Responsibilities:**

Implementing

**Technologies:**

Java/J2EE JSP, WebSphere Commerce, Oracle

**March 2006 – April 2007 ETL project for Mach**

**Business purpose:** Backend and data model changes to ETL process

**Position:** Data Warehousing Specialist

**Team:** 7-10 people

**Responsibilities:**

System maintenance & administration, new functions development, creation and re-writing of extraction triggers, SQL code optimization, defining various parts of ETL process according to company's standards and methodologies (Kimbal's approach to datawarehouse), understanding and usage of basic terms used in telecommunications industry (GSM industry), analysis of aggregates and their optimization (and re-design), writing of migration scripts, knowledge handover and co-workers education.

**Technologies:**

Oracle 9i (SQL and PL/SQL), 10g, SVN, Microstrategy

**March 2005 – March 2006 Oracle Application / eBusiness Suite project for Allianz**

**Business purpose:** Development and maintenance of new modules in eBS

**Position:** Oracle Developer

**Team:** 7 people

**Responsibilities:**

Creating various customizations to general ledger, payables and receivables modules including new reports, inspection of error sources upon user complaints.

**Technologies:**

Oracle 9i, Oracle Forms & Reports 6i, PL/SQL, SQL, Oracle eBS

## **March 2004 – March 2005 Agent information system for Allianz**

**Business purpose:** Development of new parts of agent's information system with interfaces

**Position:** Oracle Developer

**Team:** 7 people

**Responsibilities:**

Migration of data from one database system to another, re-writing of Access '97 application (agents information system) in Oracle Forms 6i, database design for new application modules within the agents information system, reading of payment files into the Oracle Financials database, preparation of Oracle Forms 6i migration to Oracle Forms 10g and UNIX shell scripts for various functions.

**Technologies:**

Oracle 8i, Oracle 9i, Oracle Forms & Reports 6i, PL/SQL, SQL, Access, VSS, JDeveloper, XSLT

## **April 2005 – August 2005 Data Warehouse project for water treatment measurements –project for Polish IBM Business Partner**

**Business purpose:** Data warehouse implementation

**Position:** DWH Developer

**Team:** 1 person

**Responsibilities:**

Recognition of warehousing tools possibilities, data warehouse design and implementation and creation of reports using Alphablox (JSP).

**Technologies:**

Data warehousing tools, DB2, JSP, Alphablox, Websphere, Linux Red-Hat (RHEL 4)

## **Older projects**

### **February 2005 – March 2005 Customer e-Shop for a Polish IBM Business Partner**

**Business purpose:** Deploying custom e-shop

**Position:** J2EE Developer

**Team:** 4 people

**Responsibilities:**

Custom modifications of existing JSP pages and implementation of new views in e-shop.

**Technologies:**

Oracle 10g, WebSphere Application Server v.6, IBM WebSphere Commerce, JSP

### **November 2004 – January 2005 University project**

**Business purpose:** Jotter and Calendar Emulation

**Position:** Developer

**Team:** 1 person

**Responsibilities:**

Design and implementation of EJB (Session and entity Beans) to cover the necessary functionality of meeting the appointment and reminder functions plus among others jotter browser and development of JSP's and Servlet's in order to create user interface for the application.

**Technologies:**

Cloudscape database, JSPs, Servlets, HTML, XSLT, EJB

**August 2003 – August 2004 CRM app for Jac**

**Business purpose:** Creation of CRM Application

**Position:** Developer

**Team:** 1 person

**Responsibilities:**

Database design for CRM application, creation of web application with various user groups, admin functions to be later administered by an application admin.

**Technologies:**

Postgres, PG PL/SQL, SQL, HTML, PHP, Javascript, CSS

**September 2003 – February 2004 Oracle Applications implementation for Polpharma**

**Business purpose:** Oracle Applications implementation

**Position:** Oracle Developer

**Team:** 15-25 people

**Responsibilities:**

Preparation of Oracle forms modules – embedded into the Oracle eBS structure for later migration upon the complete implementation of Oracle eBS, customizations of production and WMS forms in the core of the Oracle eBS and remodeling of business logic to satisfy the production and warehouse users – identification of API's used, creation of additional API's.

**Technologies:**

Oracle 9i, Oracle Forms & Reports 6i, PL/SQL, SQL, Oracle e-Business Suite Production & Warehouse Management (WMS) modules

**July 2003 – September 2003 Major Polish portal for Melog**

**Position:** Developer

**Team:** 2 people

**Responsibilities:**

Fully object-oriented programming of main portal modules and re-make of the presentation layer, custom creation of estate agents portals based on a template and Re-make of various search engines.

**Technologies:**

PHP, Javascript, MySQL, CVS, Linux

**June 2002 – April 2003 Equipment life-cycle management application, Maxsoft**

**Business purpose:** Development of Equipment life-cycle management application

**Position:** Developer

**Team:** 7 people

**Responsibilities:**

The application managed full life-cycle of the equipment spread all over Poland. The major functional areas were: equipment description, amortization, accounting, invoicing and other customer-specific functions. The application was accessible both from the fat-client as well as through intranet.

My personal responsibilities included: database structure design for specified modules and reports using Oracle Designer, implementation of modules and reports using Oracle tools, web modules creation for the intranet portal of the Office of Technical Inspection and remote installation of Oracle modules and reports for the different offices in Poland.

**Technologies:**

Oracle 8i, Oracle Forms & Reports 4.5 & 6i, PL/SQL,SQL, HTML, PHP, Javascript, Oracle Designer

## **Education, trainings, certificates**

### **University education, degrees**

Polish-Japanese Institute of Information Technology, Warsaw, Poland  
Bachelor of Science, graduated with honours  
Focus: Database systems

Polish-Japanese Institute of Information Technology, Warsaw, Poland  
Master of Science – studies completed, diploma not defended  
Focus: Database systems

### **Certificates**

Sun Certified Programmer for the Java 2 Platform, Standard Edition 1.4 (CX-310-035)  
Oracle PL/SQL Developer Certified Associate  
ITIL Foundation Certificate in IT Service Management (EX0-100)  
SAP Certified Development Associate - ABAP with SAP Netweaver 7.0  
Certified SAFe 4 Practitioner  
Certified Data vault 2.0 Practitioner

### **Professional courses**

Fundamentals of the UNIX system – HP Poland  
New features in Oracle 9i - Oracle University  
Oracle ADF Business Components - Oracle University  
Dimensional Modeling in Depth – Kimball University  
SAP TAW10 - ABAP Basics  
SAP TAW11 - ABAP Details  
SAP TAW12 - ABAP Objects and How To Use It  
Agile Data Warehouse Design - by Lawrence Corr

## **Language Skills**

Mother tongue: Polish  
Other: English – fluent  
French - basic