



## Marian Placko

Solutions Architect (DB/BI/DW/EDH-DL) at UNIQA GSC Slovakia

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*A keen enthusiast in database systems (RDBMS, DW/BI, CloudDB, NoSQL and BigData Hadoop: DataLake/DataHub) as well as application development (based on .NET/C#, HTML/CSS/JS and Java-BigData related frameworks) following OOP/programming patterns in general.*

*I am focused on BigData Hadoop platform Cloudera/Talend and data warehousing/business intelligence (Bill Inmon/Ralph Kimball methodology; SQL Server: database, integration, reporting, analysis services and data mining) as well as .NET/SharePoint (WinForms, ASP.NET WebForms/MVC, WebAPI etc.), workflow processes (.NET WF/WFS) and web services/WCF (SOAP, REST and GraphQL).*

*Also fascinated with mobile development (Xamarin).*

*Motto: "There are not bad and good technologies! Technologies are only improperly and properly implemented."*

## EXPERIENCE

### UNIQA GSC Slovakia (InsData, spol. s r. o.)

Jun 2016 to Present

#### Solutions Architect (DB/BI/DW/EDH-DL)

Job description:

- # creation of demand solution concepts (incl. UML; mainly for DB/BI/DW/EDH-DL platforms: MS SQL Server, SAS, WebFocus, Cloudera Hadoop and Talend ETL/ELT/ESB)
- # creation of firewall rules (incl. infrastructure support)
- # solutions design and evaluation of technologies:
  - ## ETL/ELT: Informatica, Talend and Apache Hadoop/MS SQL Server 2016+ Polybase
  - ## NoSQL: MongoDB (incl. Docker, Azure and mLab)
  - ### Big data introduction (<https://placko.wordpress.com/2016/11/29/big-data-introduction/>)
  - ## BigData: Apache Hadoop platform - <http://hadoop.apache.org/> and <https://projects.apache.org/projects.html?category#big-data> (incl. HDInsight, Hortonworks, Cloudera and Databricks) and DataLake (incl. Azure DataLake Store & Azure Analysis Services and U-SQL)
  - ### Big data introduction II (<https://placko.wordpress.com/2017/02/22/big-data-introduction-ii/>)
- ## Cloud computing (incl. Azure SQL Server, Azure SQL Data Warehouse, AWS and Docker - DockerHub, DockerCloud)
- ## BI: MS PowerBI and MS SQL Server 2016+ SSRS
- ## ESB (Enterprise Service Bus - webMethods)/enterprise data integration, Data Quality Services and Master Data Services
- ## MS SQL Server 2016+ - Operational Analytics (OLAP and OLTP workloads) and SQL in-memory OLTP
- ## MS SQL Server 2016+ - Security: data masking, row level security and always encrypted
- ## MS SQL Server vNext (Windows and Linux: Docker)

Main projects:

- # UNIQA EDH/DL based on Cloudera Operational DB and Talend Real-time Big Data Platform
- ## HDFS (Avro, Parquet/ORC), YARN MR v2, Cloudera Manager, Cloudera Navigator, Sentry (incl. Kerberos), Flume, Sqoop, Pig, Hive, HBase, HUE/Impala, SolR, Kafka, batch/streaming, MapReduce/Spark; XLST; CI/CD (Jenkins), Git, JFog/Nexus; Linux Red Hat/Bash; Jira/Confluence, Agile/Scrum etc.
- # Raiffeisen Vertriebscockpit II (SQL Server (BM/RM), SSIS, WebFocus) – migration of SAP BO solution
- # GDPR - DB2 LUW AIX
- # ERwin modelling – DB2 (z/OS, LUW, AS/400), SQL Server and PostgreSQL

### UNIQA GSC Slovakia (InsData, spol. s r. o.)

Oct 2012 to May 2016

#### Programmer – Analyst (DW & BI team)

DW and BI specialist focusing on Microsoft SQL Server platform at InsData company. InsData is a subsidiary of the Austrian insurance concern UNIQA Group Austria ([www.insdata.sk](http://www.insdata.sk)).

Job description:

- # business and data modelling (relational/multidimensional; UML in EA/ERwin)
- # DB development (T-SQL), tuning/optimization (incl. SQL Server Profiler/Tuning Advisor etc.)
- # DW/BI development: SSIS (ETL), SSAS (OLAP, MDX), SSRS and Self-Service BI (Tabular Model)
- # SharePoint/mobile BI configuration and development: (Kerberos/EffectiveUserName) + Excel Services + PerformancePoint Services (Dashboards) + PowerPivot + PowerView + SSRS (integrated/native), OWA/Office Excel (Pivot Table)
- # Power BI (incl. Power BI server)
- # DW/BI infrastructure (trust, cross-domain, impersonation)
- # DW/BI life cycle (CI/CD via Jenkins)

Main projects:

- # DWH+ (migration from SAS DW/BI solution to SQL Server DW/BI); case study (DE):  
[http://www.downloads.placko.eu/InsData/uniqa\\_insdata\\_SQL\\_Data-Warehouse.pdf](http://www.downloads.placko.eu/InsData/uniqa_insdata_SQL_Data-Warehouse.pdf)
- # iDWH (universal insurance DW/BI platform)
- # BI/mobile demo server (<http://placko.wordpress.com/2013/08/17/sharepoint-bi-and-mobile-bi-on-sql-server-platform/>)
- # miniDWH/Reporting Tool (automatized Excel as input based aggregation/summarization KPI system)
- # resm (Resource Management Tool) ASP.NET, Telerik UI for ASP.NET AJAX, CSS, JS/jQuery, Bootstrap, SQL Server, EF, WEB API/WS, SSRS and Elmah
- # MigTool: ProDo/GForge (Java parser from Lotus Notes/GForge to Confluence, IntelliJ IDEA)
- # Raiffeisen Vertriebscockpit Ia/Ib, II (SQL Server (BM/RM), SSIS, WebFocus):  
[http://www.downloads.placko.eu/InsData/raiffeisen\\_insdata-Vertriebscockpit\\_DW.pdf](http://www.downloads.placko.eu/InsData/raiffeisen_insdata-Vertriebscockpit_DW.pdf)

Participation in projects:

- # DWH RU (SQL Server, SSIS, SSAS, Excels)
- # UICB Reporting (SQL Server, SSIS, SSAS, SSRS)

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## exe, spol. s r. o.

*Dec 2008 to Sep 2012*

### Software Developer

In the past, I was working as a software developer focusing on Microsoft technologies: C# (.NET/VS/TFS), T-SQL (SQL Server/SSMS), WinForms, ASP.NET (WebForms/MVC), Silverlight (MVVM), DevExpress, WP (SharePoint), WCF, WF/WFS/Nintex+IP (SharePoint).

Main project:

- # exeCUTE (a complex approval framework); case study (SK):  
[http://www.downloads.placko.eu/exe/vytvaranie\\_schvalovanie\\_zmluv\\_slovnaft.pdf](http://www.downloads.placko.eu/exe/vytvaranie_schvalovanie_zmluv_slovnaft.pdf)

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## EDUCATION

### Slovak University of Agriculture in Nitra (SUA), Slovakia

*2005 to 2008*

PhD., Faculty of Engineering - Department of Machines and Production Systems

- # full-time PhD.-student
- # Doctoral Dissertation: "Development of a computer program module for machinery requirement optimisation at an enterprise level"
- # final exam: state dissertation exam – Doctoral Dissertation defence

Doctoral Dissertation:

[http://www.downloads.placko.eu/DoctoralDissertation/Marian Placko - Dizertacna praca MOPS Nitra 2008.pdf](http://www.downloads.placko.eu/DoctoralDissertation/Marian%20Placko%20-%20Dizertacna%20praca%20MOPS%20Nitra%202008.pdf)

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### Slovak University of Agriculture in Nitra (SUA), Slovakia

*2000 to 2005*

Ing., Faculty of Agricultural Engineering-Department of Electrical Engineering, Automation and Informatics

- # specialization: Automation and Informatics
- # Diploma Thesis: "Design of an experimental workstation for teaching microprocessor-based technique"
- # final exam: state exam – Diploma Thesis defence

Diploma Thesis:

[http://www.downloads.placko.eu/DiplomaWork/Marian Placko - Diplomova praca Nitra 2005.pdf](http://www.downloads.placko.eu/DiplomaWork/Marian%20Placko%20-%20Diplomova%20praca%20Nitra%202005.pdf)

## SKILLS

T-SQL, Microsoft SQL Server, SSRS, Business Intelligence, Database Design, Web Services, Data Warehousing, Data Mining, Unit Testing, Scrum, .NET, SSIS, C#, Visual Studio, ASP.NET, TFS, SharePoint, XML, ADO.NET, WCF, UML, ASP.NET MVC, CSS, jQuery, LINQ, Entity Framework, HTML, AJAX, JSON, Power BI, Azure, MongoDB, Hadoop, RESTful WebServices, Xamarin, Analysis Services, SQL CLR, WinForms, OLAP, SSAS, SSDT, Linq2Sql, Silverlight, WF, WFS, ERwin, Cloudera, Talend, ESB, SOAP

## COURSES

- # Data Quality Services and Master Data Services, Data Mining (Lapis NR/Gopas BA)
- # Data Warehousing and OLAP Cubes with Microsoft SQL Server 2012 (Lapis NR/Gopas BA)
- # Data Warehousing with Microsoft SQL Server 2012 Integration Services (Lapis NR/Gopas BA)
- # DataDay - MS PowerBI (Gopas BA)
- # DataWorks Summit 2018 Berlin (Hortonworks/Germany)
- # DevDays (Bratislava)
- # ESB - 611-69E - webMethods Integration Workshop (Software AG/UK)
- # Gopas (Bratislava)
- # Informatica PowerCenter 9.6 (Nitra/Bratislava)
- # Java - Design & Patterns; JS/jQuery/React/JSON; REST (UITS AT)
- # Jenkins Sonargraph Plugin (UITS AT)
- # MDX - practical magic (Gopas BA)
- # Microsoft Power BI Desktop (Gopas BA)
- # Microsoft SharePoint 2010 and Business Intelligence (Lapis NR/Gopas BA)
- # Optimization and monitoring T-SQL queries (Gopas BA)
- # Reporting with Microsoft SQL Server 2012 Reporting Services (Lapis NR/Gopas BA)
- # SQL Saturday (Microsoft BA)
- # ShowIT (Gopas BA and Microsoft BA)
- # Talend Big Data Advanced – Spark Batch, Talend Big Data Advanced – Spark Streaming (Talend/Germany)
- # Talend Big Data Basics (Talend/Germany)
- # Talend Data Integration Basics, Talend Data Integration Advanced (Talend/Germany)
- # Talend Data Mapper Essentials (Talend/Germany)
- # TechEd-DevCon (Prague)
- # The Art and Practices of Information Management ([tdwi.org](http://tdwi.org) USA)
- # WebFOCUS - Information Builders (RI-C AT)

## PROJECTS

### {3S} SQL Smart Security

*2010 to Present*

<http://www.3s.placko.eu/>

{3S} SQL Smart Security is an add-in which can be installed in Microsoft SQL Server Management Studio (SSMS) 2005, 2008, 2008 R2, 2012 and their respective Express versions. It enables software companies to create a secured content for database objects.

### Booking Hotel - DNN

*2015 to Present*

<http://www.placko.eu/#BookingHotel>

- # Booking Hotel - DNN User Module
- # Booking Hotel - DNN Admin Module
- # DotNetNuke CMS (FREE)
- # Booking Hotel portal

### eFerry

*2017 to Present*

<http://www.placko.eu/#e-Ferry>

Mobile (Android/iPhone/Windows Phone) ferry ticketing solution.

CLIENT APP eFerry FEATURES:

- # fast booking

- # SECURED and direct credit card payment with credit card scanner
- # QR code tickets storage

CLIENT APP eFerryReader FEATURES:

- # fast check-in
- # off-line mode

SERVER FEATURES:

- # SECURED PayPal payment gateway
- # RESTful API
- # elastic NoSQL database
- # cloud or on-premise hosting

## LANGUAGES

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**English** (Professional working proficiency), **Slovak** (Native or bilingual proficiency)

## CERTIFICATIONS

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**Certified Professional for Software Architecture - Foundation Level, CPSA-F (iSAQB Germany)**