Senior Data Engineer

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Consultant and Software Developer   **09/2019 - present**
- Data-intensive solutions for global logistics company.
- Mainly analysis and solution design, development
- Technologies: Teradata, Snowflake, MongoDB, PostgreSQL, Linux

Profinit EU, s.r.o., Prague, Czech Republic

Big data developer, retail bank   **11/2017 - 08/2019**
- Designing metadata-driven ETL process generator.
- Developing real-time marketing application using Apache Spark
- Solution design and development.
- Technologies: Hadoop, Kafka, Impala, HBase, Informatica PowerCenter, Spark Structured Streaming, Java

Consultant, RT-ODS project, retail bank   **11/2013 - 10/2017**
- Real-time Operational Data Store project (RT-ODS) in a major bank.
- Real-time ETL design patterns development.
- RT-ODS architect (one of 3 architects).
- Real-time CDC and real-time ETL job development.
- Real-time data pipelines into Hadoop
- Integration with Apache Kafka - independently designed and developed Kafka custom adapter for Informatica PowerCenter.
- Technologies: Java SE, Kafka, Kafka Connect, Hadoop, JMS, Informatica PowerCenter, Informatica PowerExchange (CDC), real-time ETL, Oracle 12c, PL/SQL.

Consultant, Data Warehouse project, retail bank   **12/2014 - 10/2016**
- Data Quality Monitoring sub-system redesign project in a DW (project lead).
- Data Integration job scheduling and monitoring engine (design, development).
- Technologies: Informatica PowerCenter, Teradata, Hadoop, Hive, PowerShell.

Kulicke & Soffa, Pte. Ltd., Singapore

Application Solution Consultant   **9/2012 - 09/2013**
- Technical lead for DW projects.
- Responsibile for DW architecture and overal BI solution.
- Automation using Java / IBM Cognos SDK.
- Technologies: Oracle, Informatica, OBIA, DAC, IBM Cognos BI.

Nityo Infotech, Singapore

Cognos Consultant   **9/2011 - 8/2012**
- Assigned to client's site at Kulicke & Soffa Pte Ltd.
- End-to-end BI project development and production support.
- DW, ETL, OLAP, Cognos reports, complete development life-cycle.
- Designed and implemented ETL Monitoring and Scheduling solution

Ceska sporitelna a.s., Prague, Czech Republic

Data warehouse analyst and developer   **2/2004 - 6/2011**
- Requirement analysis, data model design.
- ETL development using PL/SQL and Oracle Warehouse Builder.
- Reporting data mart designing and loading.
- IBM Cognos reporting platform technical lead.

EDUCATION   **Czech Technical University in Prague**, Prague, Czech Republic

Master's degree, Department of Electrical Engineering   **9/2000 - 2/2008**
- Specialization: Computer Science.
- Thesis on Parallel Parsing and Translation.

TECHNOLOGIES   **Data Warehousing:** Data Warehouse and Data Mart design principles,
AND SKILLS   Dimensional Modeling, Data lake.

ETL Tools: Informatica PowerCenter, Oracle Warehouse Builder (OWB)

Big Data: Hadoop, Hive, HBase, Impala, Informatica Big Data Management

Real-time Data: Kafka and Confluent Platform, Informatica PowerExchange (CDC),
stream processing principles, Spark Structured Streaming.

Data Formats: Avro, Parquet, XML, JSON

RDBMS: Oracle Database 9i-12c, PL/SQL, Teradata Database 14-16, MongoDB,
PostrgeSQL

Programming Languages: SQL and PL/SQL, Java SE, Bash, PowerShell,
Python

Linux: GNU/Linux basic administration, programming in UNIX/Linux env.

Other: Git, Jenkins, agile methodologies, Vagrant

LANGUAGE SKILLS   **English:** advanced on general and technical level, IELTS band 7 certificate

Czech: native speaker

PERSONAL   Specialist in integrating various technologies, resourceful, experienced of global and
QUALITIES   multinational work environment.