JURAJ KUBICA

Senior Data Engineer/Data Architect/SW Architect

PROFIL

As an IT professional specializing in architecture, design and cloud based solutions, I have extensive experience in data engineering and system integration, utilizing Python, Java, Spark, AWS and Databricks to develop innovative solutions.

My expertise in AWS and Databricks enables me to design and implement scalable architectures tailored to meet evolving business needs.

I am passionate about learning new technologies, with a keen interest in AI and the latest trends in AWS, Databricks and data integration. By integrating AI into my daily work, I continually enhance my performance and skills to stay ahead in this rapidly evolving field.

CONTACT

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WORKING EXPERIENCES

Profinit - IT Architect
01.2018 – now
Working as IT consultant and IT architect on various projects, mainly in field of pharma industry and financial sector. Mainly focusing on Data and SW Architecture
My roles:
Big data developer, Tech lead, Architect

CGI - Analyst/Programmer
06.2015 – 12.2017
I worked with focus on Java and System integration applications. I gained extensive experience within the Java and SW Architecture.
My roles:
Java developer, Tech lead

Onesto GmbH – Java Programmer
05.2014 – 05.2015
I worked on customer management system as a Java Programmer. My responsibility was coding of new features and design and improve various components of Onesto application.
My roles:
Java developer

Scheidt & bachmann Žilina
11.2012 – 04.2014
My first working experience in field of IT. I worked there during the study to supplement my learing with practical experience. My work was to develop the emulator to replace expensive HW devide for testing petrol station processes which was achive.
My roles:
Java developer

MAIN PROJECTS

DI Gateway
10.2024 – now
Customer:
MSD Czech Republic (as contractor from Profinit)
Description: A portal for managing and working with data integration
tools. Integrates and standardizes the creation of data pipelines, process
orchestration through the Airflow system, the creation of data
infrastructure and the onboarding of various data integration products
My role: Architecture, Desgin
Technologies:
AWS (EKS, ECR, Lambda, KMS SecretManager, S3,...), Python 3, FastAPI,
SQL Alchemy...

Data integration framework
01.2021 – now
Customer:
MSD Czech Republic (as contractor from Profinit)
Description:
continuation of the project AWS Glue data pipeline enhanced by
multiplatform support (Glue, Databricks, Streamsets,....)
Idea stayed the same as for AWS Glue data pipeline - provide unify
solution how to create data pipelines.
Technologies:
AWS (Glue, SecretManager, S3, Lambda, ECR, ...), Spark, Python 3,
Terraform, Databricks, Streamsets
My role:
Technical team lead, design, architecture

AWS Glue data pipeline
11.2019 – 12.2020
Customer:
MSD Czech Republic (as contractor from Profinit)
Description:
Data pipeline using AWS services (mainly AWS Glue) in order to create
unify solution and also set of components which can be reusable by
different project which need to build data pipeline
Technologies:
AWS (Glue, Cloudofrmation, SecretManager, S3,...), Spark, Python 3,...
My role:
Big data developer

Pipeline 1.0 – 2.0
01.2018 – 11.2019
Customer:
MSD Czech Republic (as contractor from Profinit)
Description:
Data pipieline based on Model driven architecture (later data driven as
MVP for version 2.0). As a source were various systems which provided us
data as CSV files, Json files as a result of API calls, databases,... As a result
were data lake which provided unified data to various consumers
Technologies:
Hadoop, Python 2, Spark, Java, PowerDesigner, Teradata, Ansible...
My role:
Big data developer

CMSS eLiska - Multichannel Infrastructure (MCSB)
10.2016 – 12.2017
Customer:
CZ Finance institution
Description:
MCI is integration layer between core systems and frontends. MCI take care about exposing of REST api, validation, processing and orchestration of requests to others core systems. My role was leading of team
Technologies:
Java EE7, Spring, Elasticsearch, Vert.x, Rest API, Hazelcast, Consul, Clustering, UML, Enterprise architect, Oracle
My role:
Technical team lead

Billing Adapter
06.2015 – 10.2016
Customer:
O2 Telefonica Czech Republic
Description:
Billing adapter is a platform providing access to the billing system for other applications. It is kind of integration platform between CRM and core billinig systems. It is application running on application server Wildfly, using JMS and WS for integration and transformation of data between other billing systems.
Technologies:
Java EE7, Apache Camel, Wildfly/JBoss, UML, Enterprise architect, JMS, Soap WS, Oracle DB
My role:
Senior Java developer

Onesto
05.2014 – 05.2015
Customer:
Onesto GmbH
Description:
Onesto is a web-based Business Travel Management system, which connects companies
with their Travel Agencies and the travel instrument providers (Flight, Train, Hotel, Rental
Cars). Offering a data and transaction administration, Onesto is an online solution for
realizing a standardized online booking infrastructure.
Technologies:
Java, JSP, Maven, Oracle DB, Svn, Eclipse, Servlets
My role:
Java developer

EDUCATIONS

University of Žilina
2012 - 2014
Engineer's degree, Applied informatics

University of Žilina
2009 - 2012
Bachelor's degree, informatics

CERTIFICATIONS

AWS Certified AI Practitioner
https://www.credly.com/badges/119f348b-e6b8-4e7f-a245-d6e9ef70e252/linked_in_profile

AWS Certified Solutions Architect – Associate
https://www.credly.com/badges/4547e28b-0e4d-4811-a78b-80664f3281f6/linked_in_profile

Databricks Certified Data Engineer Professional
https://credentials.databricks.com/570769bc-33ab-45c6-ae1a-e55d65c80ef6#acc.x7TBcOJH

Databricks Certified Data Engineer Associate
https://credentials.databricks.com/4942430e-b1e0-417d-87bd-b0cd702be874#acc.oJ02CVHi