

data engineer

experience

Full Time

10/2019–present **Politechnika Krakowska (Cracow University of Technology)** Krakow, Poland
Research and Teaching Assistant

02/2018–present **VirtusLab** Krakow, Poland
Senior BigData Developer

Responsibilities:

- Working with Data Science team on project predicting optimal values for markdowns (Python, PySpark, Oozie, Kafka)
- Working on a tool allowing Data Scientists to easily create new Spark-based projects (Python, PySpark, Oozie)
- Leading small team (2 people) of Data Engineers
- Working on a data pipeline ingesting data to BigQuery

04/2016–01/2018 **IG** Krakow, Poland
BigData Developer

Responsibilities:

- Implementation of ETL jobs using microservices architecture (Java 8, Spark, Kafka, Spring, Hadoop, Oozie)
- Implementation of machine learning pipelines (Scala, Spark, Kafka, Oozie)
- Implementation and maintenance of streaming data infrastructure, allowing transporting and processing streaming data (Kafka, Spark Streaming, Scala, Java 8, Oozie)
- Working on migration streaming data infrastructure to AWS (Java 8, Scala, Kafka, AWS EMR)

10/2015–03/2016 **Luxoft** Krakow, Poland
Java Software Developer for UBS

Responsibilities:

- Implementation of trading application (Java, Spring MVC)
- Implementation of GUI for trading application (Java)

04/2010–09/2015 **IBM (Krakow Software Lab)** Krakow, Poland
Staff Software Engineer

Responsibilities:

- Pure Data System for Analytics (Netezza)
 - Technical lead for backup and restore component (C++, SQL, Python, bash)
 - Providing support for the clients of PureData System for Analytics
 - Giving training on PureData System for Analytics
- Pure Data System for Hadoop
 - Development of component sending data between SQL data warehouse and Hadoop (Java, MapReduce, SQL, Hive)
- IBM Tivoli Performance Analyzer
 - Integration of IBM Tivoli Performance Analyzer with SPSS Statistics to add non-linear forecasting to the product (C++, Java, Python)

languages

polish mother tongue
english fluency
spanish elementary

programming skills

Java, Python, Scala,
Bash, C, C++

database skills

SQL
BigQuery, Netezza,
PostgreSQL

BigData skills

Spark, Kafka, Hive,
Oozie

Part Time

- 01/2016, 12/2016 **Poznan University of Technology** Poznan, Poland
Trainer
Responsibilities:
 - Two one day trainings on Hadoop ecosystem (Hadoop, HDFS, MapReduce, Hive, Pig)
- 07/2009–03/2010 **MTCE Media** Krakow, Poland
Software Engineer (intern)
Responsibilities:
 - Implementation of GUI of a configuration tool of Linux-based embedded system called Laneo (gtk, C, C++)
 - Design and implementation of a tool responsible for remote configuration of Linux-based embedded system (C, C++, UNIX sockets)
- 07/2007–04/2009 **AMF** Krakow, Poland
Software Engineer (intern)
Responsibilities:
 - Implementation of distributed system for monitoring Windows machines, specifically the components reading data from motherboard sensors and WMI, remote BIOS update, remote disk defragmentation (C# 2.0, C++)

certification

- 2019–present **Confluent Certified Developer for Apache Kafka** Confluent
- 2012–present **IBM PureData System For Analytics** IBM

education

- 2008–2012 **Bachelor of Science** in Computer Science Cracow University of Science and Technology, Poland
System for monitoring position of people and vehicles
(Java, Android, GWT, PostgreSQL, Hibernate, XML-RPC)
- 2004-2010 **Master of Science** in Applied Physics with Computer Modelling Cracow University of Technology, Poland
Calculating aerodynamic characteristics of an airfoil
(Fortran, Finite Element Method)
- 2008 **Participation in Erasmus Programme**, Computer Science University of Las Palmas de Gran Canaria, Spain