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## Computer Skills

Languages	Scala, Java, Python, Lua, Haskell, C++, C, R
Platforms	Linux, Windows
	Databases: PostgreSQL, Cassandra, Hadoop
Other	Algorithms and Data Structures, Concurrent and distributed computing, Relational Databases, NoSQL Databases, Big Data, Network application development, Web application engineering, Machine Learning, TDD, BDD

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## Professional experience

- 2 year **Senior Big Data Scala & Engineer**, *GetInData*, Warsaw, Poland.  
Designing and creating data pipelines in Data Vault architecture  
Created a Spark library to generate Data Vault entities in Data Lake  
Reduced Data Pipeline production time from months to days by creating common library.  
Designing creating and improving CDC ETL Data Pipelines using Debezium and NiFi.  
Created tool in Scala for monitoring, verification and automatic fixing of CDC data pipelines.  
Refactored NiFi data pipelines to event based, which enabled easier process management, monitoring and auditing.  
Enabling data lineage by adding Atlas in various pipelines.  
Created tool based on ReAir for incremental data replication between two Hive warehouses  
Spark, Scala, Hive, Hdfs, S3. Nifi, Groovy, Python, Airflow, TDD, Sqoop, Gitlab CI/CD
- 1 year **Senior Software Engineer**, *So1*, Warsaw, Poland.  
Creating system for smart retail promotions.  
Scala, Java, Python, Akka, Kafka, Mysql, Redshift, S3, AWS, Jenkins, Ansible
- 2 years **Senior Software Engineer**, *Cloud Technologies*, Warsaw, Poland.  
Creating and improving high performance Real Time Bidding (RTB) system.  
Scala, Java, Python, Redis, Cassandra, Aerospike, Hadoop, Spark, BDD/TDD, SBT, Maven, Git, Tomcat, Nginx, Lua, Jenkins, Ansible
- 2 years **Software Engineer**, *Adpilot*, Warsaw, Poland.  
Creating and improving high performance Real Time Bidding (RTB) system.  
Scala, Java, Python, Redis, Cassandra, Hadoop, BDD/TDD, SBT, Maven, Git, Tomcat, Nginx, Jenkins, Ansible
- 1 Year **Junior Java Developer**, *CoCoNet Polska Sp. z o.o.*, Warsaw, Poland.  
Designing and implementing internet banking solutions for corporate customers.  
J2EE, Spring, Hibernate, Maven, SVN, Tomcat, Jenkins, Crucible, Jira

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## Education

2014–2016 **Masters’s Degree in Computer Science**, *Faculty of Mathematics, Informatics and Mechanics, University of Warsaw.*

2011–2014 **Bachelor’s Degree in Computer Science**, *Faculty of Mathematics, Informatics and Mechanics, University of Warsaw.*

### Activities and Societies

.Net group, Geek Club

2008 – 2011 **I Kraszewski High School**, *extended mathematics, physics and computer science, Biała Podlaska, Poland.*

## Subset of Projects

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**Finding structures in data streams**, *Master thesis*, Pattern recognition in sequences with temporal representation using recurrent neural network- Elman Network.

**Latte compiler**, Latte (OOP) language parser, lexer, compiler, written in Scala. Tools used: Scala, ScalaTest, Packrat Parsers, Parser Combinators, Git, IntelliJ IDEA.

**Pascal Interpreter**, *Imperative language interpreter*, Tools used: Haskell, BNFC, Happy, Alex, Git.

**Framework for creating database applications using RIA**, *Licentiate thesis*, Tools used: Java, Hibernate, Tomcat, Git.

**Concurrent Programs Verifier**, *Program for checking whether given sequence programs are thread safe*, written in Prolog.

## Languages

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English: advanced

Polish: native

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## Interests and Hobbies

Functional Programming. Natural language processing

Skiing, Climbing