

# Michał Siatkowski

SCALA DEVELOPER · BIG DATA ENTHUSIAST

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## Experience

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**Contract Scala Developer**, CLOUD TECHNOLOGIES S.A.

Warsaw, 01.2018 — now

Development and maintenance of Real-Time Bidding (RTB) client platform. Developing the internal product, hosted on private (100+) servers. The solution is deployed in a cluster for both high availability and maximum throughput (200k req/s) with lowest response time possible (<100ms). Working closely with analysts team and media planers, creating product's improvement strategies and having a real impact on chosen solutions.

**Key responsibilities:**

- Back-end development using Scala
- Building scalable and efficient asynchronous solutions
- Managing CI/CD pipeline using Jenkins
- Managing production environment and deployment using Ansible
- Logs monitoring and system statistics with ELK stack
- System monitoring using Grafana & Graphite

**Used technologies:** Scala, Java, Cassandra, Kafka, Aerospike, Memcache, Redis, Ansible, Guice, Spring Boot, Apache Spark, Hive, sbt, maven, Jenkins, Git, Logstash, Elasticsearch, Kibana, Grafana, Graphite.

**Contract Scala Developer**, QUINTILESIMS

Warsaw, 03.2017 — 12.2017

Developing data processing Spark solution deployed on a private cloud data centre based on Cloudera Hadoop Stack. Creating data processing pipelines for batch processing of big volume sources.

**Key responsibilities:**

- Back-end development using Scala with Apache Spark
- Introduced to functional Scala libraries: Cats, Shapeless, Circe, Monix, Akka
- Managing CI/CD pipeline using Jenkins
- Preparing production environment and deployment automation using Ansible
- Logs monitoring with ELK stack
- Scrum work environment

**Used technologies:** Scala, Apache Spark, Hadoop, YARN, HDFS, sbt, Jenkins, Ansible, Git, Logstash, Elasticsearch, Kibana.

**Java/Scala Developer**, DOT SYSTEMS SP. Z O.O.

Warsaw, 07.2015 — 02.2017

Working in the development and maintenance team in telecommunications industry for clients based in Middle East. Development of high-traffic capable web applications.

**Key responsibilities:**

- Back-end product maintenance using Java 8, Jersey, Guice and EclipseLink
- Back-end development using Scala and Play Framework
- Front-end development using Javascript, AngularJS, LESS/SASS, based on Grunt/Gulp build tool.
- Introduced to functional programming & streams
- Automatic roll-outs using Ansible
- Managing of internal Atlassian (Jira/Confluence/BitBucket) and Jenkins environments using Vagrant VMs

**Back-end technologies:** Java 8, Scala, Tomcat, Play Framework, Guice, EclipseLink, sbt, Maven, Jenkins, Ansible, Git, Vagrant, NGiNX.

**Front-end technologies:** JavaScript, TypeScript, AngularJS, React, Grunt, Gulp, Webpack, CSS, LESS, SASS.

**Software Engineering Associate**, ACCENTURE

Lodz, 10.2012 — 06.2014

Part of eCommerce Hybris Core Development team.

**Key responsibilities:**

- Back-end development of hybris-based platform using Spring Framework, Hibernate/JPA
- Front-end development using JSP, JavaScript and CSS
- Agile work environment
- Part of multinational projects, with partners in: Italy, Switzerland, United Kingdom and United States of America

**Back-end technologies:** Java, Spring Framework, Hibernate, JPA, Hybris, Tomcat.

**Front-end technologies:** JavaScript, JSP, CSS.

**Intern**, ACCENTURE

Lodz, 07.2012 — 09.2012

Part of an internal project that aimed to automate application process during job fairs.

**Key responsibilities:**

- Preparation of demo environment
- Code development
- Preparing technical documentation

**Back-end technologies:** Java, ESP 3, EclipseLink, GlassFish.

**Front-end technologies:** PrimeFaces, JSF, CSS.

## Education

**Master's Degree**, TECHNICAL UNIVERSITY OF LODZ

2013 — 2015, *More than good*

**Thesis title:** *Optimization of the structure of the road networks*

**Major in:** Intelligent Systems and Software Engineering

**Engineer's Degree**, TECHNICAL UNIVERSITY OF LODZ

2009 — 2013, *More than good*

**Thesis title:** *Recommendation systems in web applications*

**Major in:** Software Engineering and Data Analysis

## Courses

04.2017	<b>Big Data Analysis with Scala and Spark</b>	<i>Coursera</i>
12.2016	<b>Machine Learning</b>	<i>Coursera</i>
06.2016	<b>Functional Program Design in Scala</b>	<i>Coursera</i>
06.2016	<b>Functional Programming Principles in Scala</b>	<i>Coursera</i>
06.2016	<b>Parallel programming</b>	<i>Coursera</i>
07.2013	<b>hybris Core Developer Certification V5.0</b>	<i>hybris software</i>
02.2013	<b>Spring Framework based application development</b> , basics and advanced level	<i>altKOM</i>
05.2011	<b>ITA-101 Databases</b>	<i>Microsoft</i>

## OpenSource contributions

**Fixed-Length**, AUTHOR

06.2017, *~1k downloads/year*

Scala library for reading files stored in fixed-length format. Developed using functional Scala libraries and TypeClasses. Code is maintained with 100% test code coverage.

**Technologies:** Scala, Cats, Shapeless, ScalaTest, ScalaCheck, Travis CI.

**sbt-eclipselink-static-weave**, AUTHOR

09.2018, *just relased*

SBT plugin for EclipseLink Static Weaving.

**Technologies:** Scala, SBT, EclipseLink.

**ng2-eonasdan-datetimepicker**, AUTHOR

11.2016, *~10k+ downloads/year*

Wrapper directive around the bootstrap-datetimepicker component for Angular2+.

**Technologies:** TypeScript, Node, WebPack, Travis CI, Karma.

**angular-eonasdan-datetimepicker**, AUTHOR

11.2016, *~10k+ downloads/year*

Wrapper directive around the bootstrap-datetimepicker component for Angular.

**Technologies:** JavaScript, Gulp, Travis CI, Protractor.

## Languages

**Polish**, native

**English**, full professional proficiency

*CAE Certification, Grade B*

## Interests

**Photography, Travel, New technologies, Indoor climbing, CrossFit.**

I hereby declare that all the facts and information for this cover letter and CV are true. I allow my personal data stated in the abovementioned applications to be processed for the purpose of recruitment, in accordance with the Personal Data Protection Act dated 29/08/1997 (Dz. Ust. No. 133, item 883)