

Motivated Professional Developer and Machine Learning Expert, trained in Java and Python. Highly effective at Big Data processing Exceptional interpersonal, communication and multitasking abilities. Prepared to deliver first rate results.

Work History

2020-11

Senior Researcher

- present

Buguroo Offensive Security S.L., , Spain

- Developing machine learning algorithms in online fraud prevention.
- Developing enterprise grade software.
- Working in cloud environment.
- Designing Data Lakes and Big Data pipelines.

Technologies: Python 3, Docker, AWS, Java 11, Kubernetes, Apache Spark

2019-02

Senior Data Science Expert

- 2020-10

ING Bank Śląski, Poland

- Working with Big Data, in particular financial, using Apache Spark and Apache Hadoop.
- Performing advanced analysis with multiple types of data (text, images, etc.).
- Working on a daily basis with Apache Hive and Apache Hue.
- Designing and developing of Python based full-stack software.
- Visualization, both using custom-made software and using tools such as Microsoft PowerBI.
- Decomposing needs expressed by business owners to requirements and software design.
- Enforcing clean code rules along colleagues.

Technologies: Python 3, Apache Spark, Apache Hadoop, Tensorflow, PowerBI, Apache Hive, Apache Hue

2018-07

Senior Java Developer / Lead Machine Learning Expert

- 2019-02

Centrum Bezpieczeństwa Cyfrowego S.A., Poland

- Developing streaming applications using Apache Flink.
- Deploying streaming jobs via Mesos / DCOS / Kubernetes
- Developing real time system for behavioural analysis.
- Integrating Machine Learning algorithms with existing stream processing system.

Technologies: Apache Flink, Apache Kafka, Apache Hadoop, Apache Mesos, DC/OS, H2O.ai, Google Protocol Buffers, Kubernetes, Apache Nifi.

2017-07

Project Manager / Scrum Master

- 2018-07

Sharkbyte Systems, USA

- Supervision over a group of programmers and testers (8 people in total).
- Implementation of Agile methodologies; team coaching.

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

Skills

Apache spark	●●●●●●
Java	●●●●●●
Python 3	●●●●●●
Leadership	●●●●●●
Communication	●●●●●●
Problem solving	●●●●●●
Stream processing	●●●●●●
Aws cloud	●●●●●●
Spring boot	●●●●●●
Apache hadoop	●●●●●●
Apache kafka	●●●●●●
Image processing with opencv	●●●●●●
Ms powerbi	●●●●●●

- Constant contact with Project Owner

2016-04
- 2017-07

Machine Learning Expert / Senior Java Developer

Sharkbyte Systems, USA

- Design, implementation and deployment of applications for image analysis for the recognition of license plates.
- Parameter tuning for poor lighting conditions, noise in data and uncertain knowledge.
- Creation and implementation of algorithms to improve the quality of solutions thanks to grouping algorithms and the data mining.
- Creating a website for streaming text analysis from LPR cameras (License Plate Recognition), integration with existing systems.
- Real time data analysis, developing streaming algorithms.

Technologies: Java 8, Python 3, Spring Boot, Akka, AWS, Ansible, Jenkins, Maven, Atlassian, OpenCV, TensorFlow, Git, Bitbucket, Couchbase NoSQL, JSON, XML.

2014-10
- 2018-09

Assistant professor

Institute of Computer Science, Faculty of Computer Science and Materials Science, University of Silesia in Katowice, Poland

Scientific specialization:

- Machine learning, grouping algorithms, incomplete and uncertain knowledge.
- Data analysis.
- Java programming, system design.
- Automatic and manual testing of systems.

2014-07
- 2016-07

Java developer

StorkJet.pl, Poland

- Research and development of software for analysis of high-volume aviation data.
- Batch and streaming data processing.
- Creating and designing error compensation algorithms.
- Data visualization.

2010-10
- 2014-09

Assistant Teacher

Institute of Computer Science, Faculty of Computer Science and Materials Science, University of Silesia in Katowice, Poland

Education

2010-10
- 2014-05

Institute of Computer Science, Faculty of Computer Science and Materials Science, University of Silesia, Katowice

PhD, Computer Science

Projects

2014-10
- 2017-05

Integrated Support System for Efficient Water Usage and Resources Management

Lead Java programmer. Lead of validation and verification part

Research grant funded by the European Union

MySQL



Apache hive



Teamwork



Git/github



UML



Ansible



Tensorflow



CSS



Latex/lyx/beamer



Apache Flink



SCIENCE PAPERS:

- Magiera, Ewa; Jach, Tomasz; Kurcius, Lukasz;
Tips Service and Water Diary An Innovative Decision Support System for the Efficient Water Usage at Households
International Conference on Intelligent Decision Technologies
- Yang, Lili; Yang, Shuang-Hua; Magiera, Ewa; Froelich, Wojciech; Jach, Tomasz; Laspidou, Chrysi; Domestic water consumption monitoring and behaviour intervention by employing the internet of things technologies Procedia computer science
- Jach, Tomasz; Magiera, Ewa; Capiluppi, Andrea; Wang, Zhenchen; WaterSocial. org as the social platform aimed topromote an efficient water use
- Magiera, E; Froelich, W; Jach, T; Kurcis, L; Berbeka, K; Bhulai, S; Kokkinos, K; Papageorgiou, E; Laspidou, C; Yang, L; ISS-EWATUS an example of integrated system for efficient water management Proceedings of the conference Computing and Control for Water Industry (CCWI), Amsterdam

Languages

English



German



2012-10
- 2015-06

Exploration of the Rule Based Knowledge Bases

Researcher

Grant of the National Science Center
Title: Exploration of the knowledge bases
Responsibilities: PHP / HTML / JS / jQuery programmer. Co-creation of the website with an dedicated application for decision support systems of high complexity.

2013-04
- 2013-06

ABTOW

Developer

Design and implementation of the visual layer for the Automatic Bio-detector of General Water Toxicity

2008-01
- 2008-01

Simulation analysis of the properties of the MCFS-ID algorithm

Researcher

- software and analysis at various sampling parameters and various dependencies between features and classes of generated observations for the Institute of Computer Science of the Polish Academy of Sciences.

Certificates

Certificate of Advanced in English

Professional Scrum Master I

Agile PM Practitioner

Hobby

- Home automation system
- Electronic
- Home-made smoked sausages