Roman **Orac**

MACHINE LEARNING ENGINEER · SOFTWARE ENGINEER

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Skills

Machine Learning	Scikit-Learn, Keras, NumPy, Pandas, NLTK, Jupyter Notebooks
Big Data	Apache Spark, PySpark, MLlib, Elasticsearch
Programming	Python, Java, Go, SQL
Tools and Platforms	Docker, Jira, Linux, AWS
Languages	English, Slovenian

Experience

Sportradar
Ljubljana, Slovenia

DATA SCIENTIST — *May 2019 - Present*

- Developing Machine Learning models for risk estimation in sports betting.
- Analyzing big datasets to extract additional value from the data.
- Technology stack: Scikit-Learn, LightGBM, Jupyter Notebooks, Redshift, Athena, Docker, Python, AWS.

Verity (Start-up company)
Ljubljana, Slovenia

MACHINE LEARNING ENGINEER · SOFTWARE ENGINEER — *Aug. 2018 - May 2019*

- Designing a protocol for verifying information from the real-world and connecting it to the Blockchain.
- Developed *a distributed network of P2P nodes* that communicate with the Blockchain.
- Automated management of the distributed nodes with statistical distributions, which improved UX and reduced manual work.
- Technology stack: Web3, Scikit-Learn, Flask, Jupyter Notebooks, Redis, Docker, Python, AWS.

Receipt Bank
London, UK & Ljubljana, Slovenia

MACHINE LEARNING TEAM LEAD — *Aug. 2016 - Aug. 2018*

- Recruited to improve the accuracy of receipt classification for one of the most popular business apps for self-employed.
- Receipt categorization accuracy improved for 30% using Machine Learning models.
- Implemented a word2vec Deep Learning classifier for tagging receipts with 95% accuracy.
- Initiated analytics tools to make data-driven decisions in the marketing department.
- Lead a team of Machine Learning Engineers.
- Technology stack: NLTK, Scikit-Learn, Keras, Flask, Jupyter Notebooks, Redshift, Docker, Python, AWS.

Zemanta, an Outbrain company
Ljubljana, Slovenia

SOFTWARE ENGINEER — *Feb. 2016 - Aug. 2016*

- Maintained and optimized Ad network platform to spend less on cloud infrastructure.
- Integrated Facebook Marketing API into the platform to increase the target audience.
- Technology stack: Django, Go, Python, AWS.

Iddiction (Start-up company)
Ljubljana, Slovenia

MACHINE LEARNING ENGINEER · SOFTWARE ENGINEER — *Nov. 2014 - Feb. 2016*

- Recruited to improve app install recommendations for Ad network platform.
- Applied Alternating Least Squares Recommender System, which improved App install rate for 3%.
- Developed *an open source library for Aerospike database*, which enabled the team to run analytical queries.
- Technology stack: Recommender Systems, PySpark, MLlib Spark, BigQuery, Java, AWS.

Jozef Stefan Institute
Ljubljana, Slovenia

JUNIOR RESEARCHER — *Aug. 2013 - Jul. 2015*

- Doing research in the field of Machine Learning on Big Data.
- Developed *a popular open source library for Machine Learning on Big Data (100 stars on GitHub).*
- Coauthored a scientific article about *distributed Machine Learning on Big Data.*
- Technology stack: MapReduce, Scikit-Learn, Orange, Django, Python.

Education

Faculty of Computer and Information Science
Ljubljana, Slovenia

M.S. IN COMPUTER AND INFORMATION SCIENCES — *Oct. 2008 - Oct. 2014*

- Master thesis: *Machine Learning algorithms in distributed environment with MapReduce paradigm.*