Igor Korniltsev

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SUMMARY

Data Scientist with 5+ years of experience in using predictive modeling, data processing and data mining algorithms to solve challenging business problems. Involved in Python open source community and passionate about deep learning. Competencies include leading teams and large portfolios of data science projects, representing the company at conferences through public speaking, working with diverse ML-technologies: NLP, NN, Recommender Systems, ensuring good communication between the parties to optimize strategies.

WORK EXPERIENCE

Sberbank. Data Scientist Team Leader

Jul 2017 – Present

/ Led 2 teams of 5 data scientists working on 10 different projects in the banking sphere
/ Built a scalable PySpark pipeline for data processing from scratch which increased the overall productivity by 40%
/ Built a model based on a payments graph, using embedding outputs from several models such as collaborative filtering, content-based factorisation, word2vec, LDA, to identify the company's business industry. It earned the bank $100M
/ Used 2B+ documents to train spark word2vec embeddings to improve 20+ bank's models
/ Collaborated with DevOps and Data Engineers that increased team's productivity and speeded up the time to market
/ Deployed into production 8 models in one year using Python, Spark, Jenkins. The result was marked as the highest across 15 DS teams
/ Created a model capable of predicting the annual revenue of 4 million companies. The model was widely covered in mass media and presented at the main national conference
/ Ensured good communication between CEOs and engineers to optimize strategies
/ Represented the company in AI/ML research at conferences through public speaking

Mobile Telesystem (MBT). Data Scientist

Jul 2015 – Jun 2017

/ Designed and created an anomaly detection system from start to finish (from data mining and modelling to creating the report in Tableau for data analysts) which saved the company more than $2M per year
/ Implemented a technique based on sARIMA and time series classification to identify suspicious patterns in network traffic
/ Established Tableau BI report for highlighting risk zone, e.g. fraude events, equipment breaks, which decreased the time-to-insights by 148% and saved more than 30% of data analysis time
/ Used 10000M+ transactions in an ETL-process via SAS EG and Teradata
/ Built strong communication across parties to successfully launch the project

SKILLS

Languages	ML	Databases	BI
Python	Classification	Hadoop/Spark	Tableau
SQL	Regression	Oracle	Power
Scala	RecSys	PL/SQL	BI Excel
	Time	Teradata	
	Series		

EDUCATION

/ Ural Federal University. Bachelor's degree of Program engineering, 6/2021
/ Ural Federal University. Master's degree of Financial markets and investments, 6/2014
/ Ural State Mining University. Master's degree of Underground construction, 5/2012