DENIS ABDULLIN

Manager, Data Science Innovation Team

Data Science Manager/Principal Data Scientist with 6 years of experience in data science, analytics, and process improvement. Leading development of tools as well as engagements with internal customers. Highly proficient with machine learning, time series forecasting, web application development and functional programming in R. Creator of multiple internal R packages driving insights from the business data.

🎓 EDUCATION

2014
University of Economics
M.S. in International Trade & Financial Sector Analysis
📍 Prague, Czech Republic

2011
University of Economics
B.S. in International Trade
📍 Prague, Czech Republic

💼 PROFESSIONAL EXPERIENCE

Feb 2020 | Present
Data Science Manager
Johnson & Johnson, GS Procurement
📍 Prague, CZ

- Leading a high-performing team of 3 data scientists, focused on developing software, APIs, and web applications for business analytics, NLP and predictive analytics
- Author of a suite of R packages for automated insights generation, including time series forecasting, anomaly detection, and NLG
- Augmented analytics in Tableau using REST APIs and Tableau extensions, built internally
- Serving customers and leading customer engagements across Procurement and Digital groups
- Advocate and speaker, promoting internal software tools and data science within the entire J&J

Jul 2018 | Jan 2020
Senior Analytics Specialist
Johnson & Johnson, GS Procurement
📍 Prague, CZ

- Creation and deployment of machine learning models
- Author and maintainer of internal R package that covers the whole machine learning modelling and tracking pipeline
- Shiny Applications for machine learning and time series analysis
- Creation of time series/capacity planning framework with multiple applications across the enterprise

CONTACT INFO

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HIGHLIGHTS

Innovator
Researcher
Quick learner
Motivator
Complex problem solver

SKILLS

R Programming: package development, shiny, plumber, promises, prophet
Machine Learning
Time Series Forecasting
BI/ETL Tools: Alteryx, Tableau
Python
SQL, Impala, ODBC
Git, Docker
Applied JavaScript for R/Python web/plotting frameworks

LANGUAGES

English, Czech, Russian

Sep 2016 | Jun 2018

Data Analytics Associate

Johnson & Johnson, GS Procurement

 Prague, CZ

- Creation of operational reporting that is utilized by hundreds of users
- Data engineering in ETL (Alteryx) and creation of dozens of reports in Tableau, including some of the most viewed in function
- Development of topic modelling, machine learning, NLP, time series and process mining solutions including high impact projects like help desk topic modelling and functional audit analysis

Apr 2014 | Aug 2016

Master Data Specialist

Johnson & Johnson, Global Services (GS) Finance

 Prague, CZ

- Various roles in EMEA Medical Devices customer master data team, from junior to specialist.
- Responsible for reporting automation, user templates creation and team performance tracking with heavy use of VBA and SQL

PRODUCTS

Library for automated insights generation from tabular data

Natural Language Generation (NLG) Library

Scalable Platform for Real-Time data analytics

Insighter - real-time analytics platform/application with lightning-fast database connection that allows to query the data with natural language term search, similar to commercial tools like ThoughtSpot, modern visualizations using Echarts, forecasting, NLG, dynamic report generation, root-cause analysis. Adopted by both business customers and data professionals.

Microservices (REST API) for Forecasting & NLG

Tableau Extensions for Augmented Analytics Delivery

AWARDS

2023

Innovation Excellence Award

Insighter, internal real-time analytics platform recognized as one of the most innovative solutions within the company at the J&J Data Science Showcase for savings tens of thousands hours on analytical requests annually.

 Global

2021

Credo Award for reimagining Business Plan forecasting

Created a framework for parallel computation and model parameter tuning, which allowed to make reliable forecast for thousands of business areas, speeding up the process 100+ times compared to initial baseline.

 Global

2020

Runner-up in the enterprise-wide demand planning hackathon

Took second place out if 200 participating teams in the all J&J hackathon related to forecasting shipment volumes for 240 SKUs.

 Global

2015-2022 **Various Awards & Recognitions**

Various awards for innovative applications of ML, forecasting, automation and reporting

📍 Global