JAROSLAV KOTRBA

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📍 **Czech Republic, Brno**

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SKILLS

- **R (DataTables, XGBoost, Shiny)**
- **Python (Pandas, PySpark, Plotly, Prophet, Scikit-learn, Statsmodels, TensorFlow, LangChain, Shiny, FastAPI)**
- **SQL (T-SQL, MySQL)**
- **Git (GitHub, Bitbucket, Jira)**
- **Docker (Heroku, GCP)**

LANGUAGES

- **CZECH (Native speaker)**
- **GERMAN (C1 – certification)**
- **ENGLISH (C1 – certification)**
- **FRENCH (A2)**

HOBBIES

- **Calisthenics (body-weight training)**
- **Interactive web applications**
- **Reading (also audiobooks)**

SUMMARY

With over four years of experience as a data analyst and risk software developer, I possess a comprehensive understanding of building data pipelines for risk metrics calculation, machine learning models, and database management. I have extensive experience leveraging tools such as R, Python, SQL, and advanced data analytics techniques to drive business insights.

EXPERIENCE

Risk Software Developer & Analyst
Barclays
Oct 2022 - Present
Prague/Remote
- Credit risk metrics calculation and capital regulatory reporting
- Basel IV Securitization, RWA and EAD calculation with PD and LGD
- Creating data pipelines for internal rsageICOM model
- Developing and updating SQL databases
- Communication of requirements with users and business analysts

EMEA Mobility Leader & Data Analyst
Honeywell
Jan 2022 - Sep 2022
Brno
- Leading Mobility services operations within EMEA region
- Detailed Cost Analysis and Cost Optimizations in R & Python
- People leader (Line Manager) of EMEA Mobility Team
- Responsible for new contract implementation projects
- Process creation, maintaining, and improvement

Data Analyst
Honeywell
Jun 2020 - Dec 2021
Brno
- Billing reports automation and optimization in R and Python
- Clustering and modeling of usage data across EMEA
- Forecasting of aircraft deliveries and retirement
- Risk evaluation of new mobility contracts
- Database cleaning and maintaining

EDUCATION

Masaryk University
Master's degree in Economic Policy and International Relations
2017 - 2020
- Econometrics
- Big Data with SQL
- Calculation Systems in Statistics
- Statistics for Computer Science

Bachelor's degree in English Linguistics, Literature and History
2016 - 2019
- Semantics with focus on translation

Bachelor's degree in German Linguistics, Literature and History
2013 - 2017
- Corpus linguistics