



# JAROSLAV KOTRBA



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Czech Republic, Brno



<https://jaroslavkotrba.com>

## SKILLS

- *R (Data tables, Shiny)*
- *Python (Pandas, PySpark, Plotly, Scikit-learn, Statsmodels, LangChain)*
- *SQL (T-SQL, MySQL)*
- *Git (GitHub, Bitbucket, Jira)*
- *Google Cloud (APIs)*

## 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 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

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

#### Economic Policy and International Relations

2017 - 2020

- Econometrics
- Big Data with SQL
- Calculation Systems in Statistics
- Statistics for Computer Science

#### English Linguistics, Literature and History

2016 - 2019

- Semantics with focus on translation

#### German Linguistics, Literature and History

2013 - 2017

- Corpus linguistics

