RODEL
VAN ROOIJEN
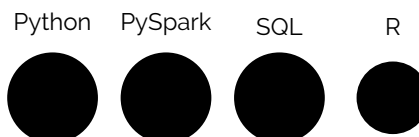
Engineering Manager, Machine Learning

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WHO AM I?

- Extensive experience in building Big Data insights and Machine Learning based solutions.
- Writing production grade code using Python.
- Data pipeline orchestration using Apache Airflow.
- Working experience with various Big Data (Apache Spark, Dask) and Machine Learning tooling or libraries (XGBoost, MLFlow, Sklearn, DaskML).

Check out my website to learn more about me.

Python   PySpark   SQL   R

EXPERIENCE

1/2023 – present

Founding Data Engineer
full-time   **Solvimon**

- Part of the founding team of Solvimon. Solvimon is a next-generation billing platform designed to help fast growing businesses manage their billing and pricing operations flawlessly.
- I am responsible for everything data related, from setting up the data infrastructure to creating valuable insights for platforms.

`Python / Spark / Google Cloud Platform / BigQuery / Looker`

1/2023 – 7/2023
6 months

Engineering Lead, Machine Learning & Analytics
full-time   **Adyen N.V.**

- Responsible for managing teams that own Machine Learning, Reporting and Analytics Dashboards for all Payments related products. Examples are RevenueProtect, RevenueAccelerate and merchant facing dashboards and finance report generation.
- Hiring manager for all Data Science roles in Adyen.

`Python / Spark / Dask / SQL / Looker`

1/2021 – 12/2022
2 years

Technical Team Lead, Machine Learning
full-time   **Adyen N.V.**

- Built up the machine learning team behind the RevenueAccelerate product.
- Coordinated the design and architecture of an Experimentation framework, servicing multiple teams internally to run experiments.
- Launched a machine learning based fraud detection product (Automated Risk) which increased revenue by millions by reducing blocked payments while keeping fraud at minimum.
- Responsible for growing teams of Data Scientists, Data Analysts and Data Engineers, supporting personal growth goals and performance evaluation.

`Python / Spark / Dask / SQL / Looker`

7/2018 – 12/2020
2 years and 6 months

Senior Machine Learning Scientist & Engineer
full-time   **Adyen N.V.**

- Built and implemented a reinforcement learning framework to optimize the conversion rate of payments, while reducing the amount of fraud. This resulted in hundreds of millions in additional EUR revenue for Adyen's merchants.
- Managed, created and improved ETL pipelines using Spark and Airflow, laying the building blocks of Adyen's Big Data Platform.
- Developed a machine learning based product: AutoRescue. This product intelligently retries failed subscription payments at a later time to ensure highest recovery rates.

`Python / Spark / SQL / Looker`

| 6/2016 – 6/2018 | **Data Scientist** | |
| 2 years and 1 month | **full-time** | **ING Bank N.V.** |

- Validation and model risk assessment of machine learning models.
- Developing ML models aiming to predict loan prepayment and savings withdrawal.
- Coordinating role to unify methodology for Asset and Liability Management (ALM).

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Python / R / Spark / SQL
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| 12/2015 – 6/2016 | **Graduate Intern** | |
| 6 months | intern | **Rabobank** |

Graduate Internship applications of time series forecasting in Credit Risk.

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Python / MATLAB
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EDUCATION

2014 – 2016	**Master of Science in Stochastics and Financial Mathematics**	**University of Amsterdam**
2011 – 2014	**Bachelor of Science in Mathematics**	**University of Amsterdam**
2005– 2011	**Pre-university Education**	**Het Baken Park Lyceum**

LANGUAGES

Dutch - native
English - fluent

HOBBIES

Table Tennis, Casual Gaming, AI for Automating Games

VOLUNTEERING

Helping out with organizing summer camps for kids with a refugee background.