Data Scientist | Data Engineer | Developer

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Profile

I'm a versatile Data Scientist with a strong background in Machine Learning, AI, Data Engineering, Web Development, and Cloud Computing. Technology excites me, and I have a knack for quickly picking up and applying new innovations. I balance creativity with practicality, aiming to deliver the best possible solutions. I'm proficient in a range of programming languages and cloud tools, and I enjoy taking on interdisciplinary projects where I can contribute in multiple roles. I'm committed to continuous learning, making sure I stay ahead of the curve in this fast-evolving field.

Knowledge of & Experience in

Software Development

- Proficient in API development, Git version control, and domain modeling and design.
- Skilled in building interactive systems and applying analytical methods to enhance performance and functionality.

Cloud Infrastructure & DevOps

- Strong background in cloud services, particularly AWS, with hands-on experience in Docker, Linux, and AWS CDK.
- Adept in DevOps practices, including continuous integration and delivery (CI/CD), infrastructure as code (IaC), and automated testing, deployment, and monitoring.

Data Engineering & Analysis

- Extensive experience in data scraping, wrangling, visualization, and analysis.
- Expertise in various databases and proficient in information and knowledge management.

Data Science & AI

- Proficient in data science methodologies, machine learning techniques, and data engineering practices.
- Experienced in deploying AI and generative AI models in the cloud, enabling seamless integration for services and end users.

Employment

2024 – Today

PostNL - Data Scientist | Software Engineer

Den Haag

As a member of the Data Science Innovation team, I contribute to a wide range of projects. My work includes developing a Data Science platform that hosts models through an interactive UI and implementing generative AI models and workflows across the company to streamline and automate redundant tasks.

2022 – 2024

PostNL - Data Scientist | Data Engineer

Den Haag

I specialize in delivering valuable insights to business stakeholders through dashboards and reports, utilizing predictive modeling for informed decision-making. I advise on data matters, integrate new data sources into our data lake, and manage ETL processes in AWS, ensuring data accuracy and completeness. My role focuses on using data to enhance business growth and operational efficiency at PostNL.

2022 – 2022

Aurai – Junior Data Engineer

Amsterdam

Upon completion of the traineeship, I transitioned into a consultant role, undertaking assignments that apply my data engineering expertise to solve client challenges.

2014 – 2022

Hospitality Services

Amsterdam

With years in the service industry, I've developed keen social skills and customer focus as a sous chef, bartender, and service employee, excelling in fast-paced, dynamic settings.

Education

2023 – Today **Universiteit van Amsterdam Msc.** Amsterdam

Master of Science: Information Studies: Data Science Track

2022 – 2022 **Aurai – Data Engineering Traineeship** Amsterdam

Traineeship: Data Engineering

2018 – 2021 **Universiteit van Amsterdam Bsc.** Amsterdam

Bachelor of Science: Informatiekunde | Minor Artificial Intelligence

Projects & Assignments

2023 **PostNL: Data Science Portal** Den Haag

Led the development of the PostNL Data Science Platform by building the core infrastructure and implementing CI/CD pipelines for streamlined deployment. I played a key role in creating the PostLit package, an internal Python package that seamlessly integrates with Streamlit, automating styling and managing in-app Identity and Access Management (IAM) within AWS. The platform utilizes Streamlit as its web app framework, empowering PostNL Data Scientists to efficiently develop, integrate, and test proof of concepts (PoCs) for business stakeholders.

Tools used: AWS, AWS CDK, Typescript, Python, Streamlit, Docker, Git, Octokit

2023 **Stormschade Risico-Analyse Systeem: Brandweer Amsterdam/Amstelland** Amsterdam

Developed a Storm Damage Risk Analysis System for Amsterdam/Amstelland Fire Department. This predictive model, integrating machine learning and data analysis, identifies storm-related risks (falling trees, roof damage, collapsing scaffolding) in Amsterdam. Utilized historical data, weather patterns, and geographical analysis for accurate risk assessment, aiding in resource optimization and emergency planning. **Tools used:** Python, Dagster, Polars/ Pandas DuckDB, MLFlow, Streamlit, Plotly, Mapbox

Languages, Applications & Frameworks