

Piene Claessen

Data Analyst – Data Scientist



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Profile

I am a data analyst and data scientist with a strong track record of developing data products that deliver business value. Skilled at bridging business and technology by identifying needs, translating them into practical solutions, and building them end-to-end. I have a proven ability to communicate technical concepts clearly to stakeholders, demonstrating the value of data-driven approaches. My expertise is in dashboards, workflow automation, and applied machine learning.



Workexperience

Data Scientist – Royal Netherlands Air and Space Force

April 2024 – Current (Breda, the Netherlands)

In my role as a Data Scientist within the Data Science Cell, part of the Digital Transformation program, I contribute to strengthening and accelerating the Royal Netherlands Air and Space Force through the development of various data products. My work has included:

- Developing a predictive maintenance tool for the NH90 helicopter using machine learning techniques.
- Designing and validating predictive analyses to support operational decisionmaking.
- Cleaning, processing, and integrating data from multiple source systems, using tools such as SQL and Azure.
- Bridging the gap between domain experts and data specialists to enable knowledge sharing and generate shared insights.

Data Analyst – Royal Netherlands Air and Space Force

March 2022 – April 2024 (Breda, the Netherlands)

As a Data Analyst within the Digital Transformation program of the Royal Netherlands Air and Space Force, I was responsible for a broad range of data-related activities. Due to the limited in-house data expertise, particularly during the early phases of the program, I was given significant responsibility in defining frameworks and guidelines at the Air Force-wide level. My responsibilities included:

- Building interactive dashboards using Microsoft Power BI to support data driven decision making.
- Developing frameworks for data governance and data management, tailored to the military context.
- Delivering training sessions to senior management (including colonels and generals) on the strategic importance of data within the organization.
- Creating a platform where airmen could report digital opportunities using Sharepoint/Nintex.

Military Aviator in Training – Royal Netherlands Air and Space Force

September 2019 – March 2022 (Woensdrecht, the Netherlands)

I spent 2.5 years in training to become a Military Aviator within the Royal Netherlands Air and Space Force.

- Completed the officer training at the Royal Military Academy (KMA).
- Obtained a frozen ATPL, with courses such as meteorology, flight planning and monitoring, and human performance.
- Logged approximately 30 flight hours as a military pilot trainee on the Pilatus PC-7.

Database Analyst – IRI

January 2018 – September 2019 (Zaltbommel, the Netherlands)

As a Database Analyst Setup & Restatement at IRI, I was responsible for building and maintaining databases for the retail and consumer goods sector in the United Kingdom. My work focused on translating client needs into clear and accessible data structures. My key responsibilities included:

- Designing and building databases for FMCG manufacturers, with an emphasis on user-friendliness and optimal performance.
- Creating logical and well-structured databases to enable clients to quickly and easily find their products.
- Collaborating closely with account managers and stakeholders in the UK to gather requirements and translate them into effective database solutions.
- Performing data validation and quality checks to ensure data accuracy and consistency.
- Working effectively in a remote setting with clients and internal teams distributed across multiple time zones.



Education

Cadet Officer Training – Royal Military Academy (KMA)

September 2019 – December 2019 (Breda, the Netherlands)

Msc International Management – Tilburg University

September 2016 – January 2018 (Tilburg, the Netherlands)

Bsc Business Management – Fontys University of Applied Science

September 2012 – June 2016 (Eindhoven, the Netherlands)



Skills and certifications

Technical skills

Python (Numpy, Pandas, Scikit-Learn, Matplotlib, Seaborn), SQL, PostgreSQL, Microsoft PowerBI, Microsoft Excel, Microsoft Azure, Microsoft Sharepoint/Nintex, Dataiku.

Soft skills

Planning and prioritizing under pressure, Stakeholder communication and managing expectations, Training stakeholders and empowering non-technical stakeholders.

Certifications

Microsoft PL-300 Data Analyst Associate

Microsoft AZ-900 Azure Fundamentals



Internships abroad

Marketing Export plan – Bachelorthesis – Deki Electronics

February 2016 – May 2016 (Noida, India)

Data Analytics – Internship – Dream Au Pair

February 2015 – July 2015 (Auckland, New Zealand)