## Personal Details

Olivier de Swart
08-06-1993
Amsterdam
06-34354491
olivierdeswart@gmail.com
https://www.linkedin.com/in/olivier-de-swart
https://github.com/OlivierdeSwart

## Languages

Dutch (Native)
English (Native)

## Personality

Social, teamplayer,
proactive, analytical, curious

## Summary of Olivier

Driven Data Engineer transitioning to Blockchain Developer, blending rigorous technical training with hands-on project experience. With a robust foundation in data engineering, Olivier has spearheaded critical data initiatives, developed and managed datasets up to a billion rows, and enhanced data quality and system efficiency across various roles.

Recently, he has broadened his expertise to blockchain development, having completed dApp University's intensive bootcamp and mentorship programs. There, he acquired skills in Solidity, JavaScript, Hardhat, and React, and successfully completed 6 personal blockchain development projects. His journey demonstrates a distinctive combination of data engineering skill and blockchain development, rendering him exceptionally well-suited for a role as a blockchain developer.

## Methods, Skills & Techniques

| *Blockchain* | *Data* | *Programming* |
|---|---|---|
| dApp development | Azure Data Factory DevOps | SQL |
| Ethereum | Data Analysis, Quality and | Python |
| Hardhat | Cleansing | R |
| JavaScript (including npm) | Datawarehouse | SAS BASE |
| Metamask | DBT (data build tool) | |
| Node.js | Development | *Skills* |
| React | ETL | Scrum Agile |
| Smart contracts | GitHub/DevOps | Kanban |
| Solidity | SAS EG | |
| | Snowflake | |
| | SQL Database | |

## Learning Blockchain Development 📅 2023 - 2024

During my time with the blockchain bootcamp and mentorship programs at Dapp University, I immersed myself in the world of blockchain development from scratch. The curriculum was designed to guide beginners through creating their first blockchain applications using Solidity, JavaScript, Hardhat, and React. I learned how to create, test and deploy smart contracts. Also, I learned how to create the front end connecting to my smart contract and JavaScript backend, resulting in knowledge of full-stack decentralized application development. Through these courses I gained the comprehensive skills necessary to get started the blockchain industry as a developer, equipped to tackle real-world projects with confidence.

List of completed blockchain projects (the most important are **bold**):
- Cryptocurrency from scratch (ERC-20)
- **Crowdsale of a token (also known as Initial Coin Offering)**
- Decentralized autonomous organization

- NFT marketplace
- Automated market maker (based on UniSwap)
- **Decentralized cryptocurrency exchange**

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### Data Engineer (Freelance) • RTL      📅 2023 - 2024

- Integrated a new data source for the new the sales system, from source to datamart
- Contributed to strategic Business Intelligence development
- Tech stack: Snowflake, DBT, Azure Cloud, Airflow, Python

As the sole full-time data engineer on our Insights & Reporting team, I was the linchpin for sourcing data from the system, crucial for building BI dashboards and reports in Tableau for management. My primary task involved crafting the ETL processes required for this, encompassing data transfer to our staging area, appending history to records in our data warehouse, and integrating business logic within our star-schema-oriented datamart. I designed these processes with generality in mind to accommodate diverse data needs.

The datasets I managed were substantial, with around 100 million rows per table, and in some instances, exceeding a billion. This experience underscored the significant responsibility I held in managing and processing data on a massive scale, ensuring the team could rely on robust and insightful analytics.

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### Data Engineer/ ETL Developer • Bevolkingsonderzoek Nederland (BVO NL)      📅 2022

- Streamlined data warehousing in Azure, enhancing cloud migrations with versatile pipelines.
- Optimized database management using Azure SQL, t-SQL, and SQL Server Management Studio.
- Spearheaded DevOps integration, managing Azure Data Factory and SQL Database releases via Azure DevOps and Visual Studio Code.

At BVO NL, I led our shift to cloud-based data warehousing with Azure Data Factory, prioritizing scalable pipelines and efficient data migration. I transformed over 300 SSIS packages into standardized, parameterized workflows, enhancing system efficiency and adaptability. This upgrade to our data processing routines underscored the importance of scalability and flexibility in modern data management.

I integrated DevOps practices (this was new to the company) and created comprehensive documentation on infrastructure, networking, and security, backed by my Azure Administrator Associate certification.

Beyond technical achievements, I focused on mentoring and sharing knowledge to equip the team for future tech evolutions. My experiences, particularly around data security and integrity, align with blockchain's transparency and security attributes, showcasing my ability to contribute to cutting-edge data solutions.

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### Data Quality Analyst/ Data Engineer • Instituut Mijnbouwschade Groningen      📅 2020 –2021

- Enhanced data quality with SAS EG analyses, pinpointing strategic improvement areas.

- Automated data quality solution for effective monitoring and cleansing.
- Led data quality initiatives, achieving improved operations and risk management.

During a critical phase of planning for a substantial data migration project, the necessity for enhanced data quality became apparent. In this context, I played a pivotal role as a member of

In a vital data migration project, the need for improved data quality became clear. As part of the Data Quality team, I collaborated with the data repair team to address data issues and worked with various business units to improve data intake standards. My role involved using SAS EG, SAS Base, and SQL to analyze over 70,000 files, generating key insights to enhance business processes. Promoted to head analyst in March 2021, I designed a program conducting 30+ daily analyses on this vast dataset, employing ETL best practices and advanced data management techniques to boost efficiency and accuracy. By June 2021, my leadership extended to driving innovative data quality practices across departments, demonstrating my expertise in data management and ability to foster organizational change.

## Education/ Certificates

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|---|---|
| Dapp Blockchain University: Mentorship Program | 2024 |
| Dapp Blockchain University: Bootcamp | 2023 |
| Azure Data Engineer Associate DP-203 | 2022 |
| Azure Administrator Associate AZ-104 | 2022 |
| Azure Data Fundamentals DP-900 | 2021 |
| Azure Fundamentals AZ-900 | 2021 |
| SAS Programming Fundamentals | 2021 |
| Biomedical Image Analysis in Python (Datacamp) | 2021 |
| GCP Big Data and Machine Learning Fundamentals (Coursera) | 2020 |
| Professional Scrum Master 1 (scrum.org) | 2020 |
| MSc. Business Administration (Digital Business track) • University of Amsterdam | 2019 |
| Bachelor Psychology (Brain & Cognition) • University of Amsterdam | 2017 |