Olivier de Swart

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Blockchain Developer

Innovative, and solution-oriented technology leader with 4+ years of experience in blockchain development, data engineering, and DevOps integration. Proven track record driving development of scalable blockchain applications, cloud migrations and efficiency optimizations in data processing. Strong communicator who leads diverse teams to deliver quantifiable business value.

SKILLS

- Blockchain Development
- Smart Contract Creation
- Cryptocurrency and NFT Marketplace Development
- Full-Stack Decentralized Application Development

- Solidity Programming
- Azure Cloud Solutions
- Data Warehousing and ETL Processes
- Database Management

- Automated Market Maker Systems
- Data Quality Assurance
- Data Security and Integrity
- DevOps Practices and Integration

PROFESSIONAL EXPERIENCE

BINARY BIT | 2024
Blockchain Developer
- Developed a robust token bridge smart contract in Solidity on BNB Chain, managing the minting, burning, and holding of substantial user funds, ensuring security and reliability.
- Engineered a staking smart contract in Solidity on BNB Chain designed to hold significant user funds, periodically reinvesting or distributing capital gains, optimizing user returns and system efficiency.
- Created a full-stack staking DApp on the BNB Chain, utilizing Solidity, JavaScript, React, and Node.js.
- Spearheaded security and auditing operations for both the full-stack bridge application (Solidity, TypeScript, Node.js and Next.js) and the staking DApp.

DAPP UNIVERSITY | 2023 - 2024
Blockchain Developer Trainee (Learning Blockchain Development)
- Delved into the world of blockchain development through a curriculum at Dapp University's blockchain bootcamp, mastering the art of creating, testing, and deploying smart contracts using Solidity and JavaScript.
- Elevated blockchain expertise by constructing and launching a series of innovative projects, including a token crowdsale platform (ICO), a decentralized cryptocurrency exchange, and a unique cryptocurrency (ERC-20).
- Pioneered the creation of cutting-edge blockchain solutions, such as a Decentralized Autonomous Organization (DAO), an NFT marketplace, and an Automated Market Maker system inspired by UniSwap. Showcased the ability to transform theoretical concepts into real-world applications that address current market demands.

RTL | 2023 - 2024
Data Engineer (Freelance)
- Integrated novel data source into RTL's advanced sales system, employing a sophisticated tech stack that included Snowflake, DBT, Azure Cloud, Airflow, and Python; designing and implementing complex ETL processes that ensured data accuracy and accessibility, laying the groundwork for insightful Business Intelligence development.
- As the cornerstone of RTL's Insights & Reporting team, developed and maintained a ETL framework that facilitated the transfer, transformation, and loading of massive datasets into the staging area and data warehouse; enhanced the efficiency and reliability of data-driven decision-making processes, empowering the creation of dynamic BI dashboards and reports in Tableau.
- Managed an extensive data ecosystem comprising over 100 million rows per table, occasionally surpassing the billion-row mark; demanded meticulous attention to data integrity and scalability, ensuring the delivery of precise and actionable insights across various business units; contributed to RTL's strategic objectives by optimizing data workflows and analytics capabilities.

BEVOLKINGSONDERZOEK NEDERLAND (BVO NL) | 2022
Data Engineer/ETL Developer
- Pioneered the transition to cloud-based data warehousing within BVO NL, employing Azure Data Factory to spearhead the creation of scalable, efficient data migration pipelines; facilitated the conversion of over 300 SSIS packages into streamlined, parameterized workflows, significantly enhancing system efficiency, adaptability, and ensuring seamless cloud migrations.

- Elevated database management to new heights by leveraging Azure SQL, t-SQL, and SQL Server Management Studio, implementing cutting-edge solutions that optimized data storage, retrieval, and processing operations; improved system performance and aligned data management practices with the latest industry standards, ensuring high availability and reliability.
- Led the charge in integrating DevOps practices within the organization, a novel approach that involved managing Azure Data Factory and SQL Database releases through Azure DevOps and Visual Studio Code; establishing a cohesive, automated deployment pipeline, significantly reducing deployment times and enhancing collaboration across development and operations teams.
- Beyond technical proficiencies, championed a culture of continuous learning and mentorship, guiding the team towards mastering new technologies and best practices in cloud data management. Underscored commitment to advancing organizational capabilities in data security, integrity, and infrastructure management.

INSTITUUT MIJNBOUWSCHADE GRONINGEN | 2020 – 2021
Data Quality Analyst/Data Engineer
- Instrumental in elevating data quality through SAS EG analyses, identifying areas for strategic improvement; dissected complex datasets to unveil underlying issues, paving the way for enhancements in data handling and business process optimization.
- Developed and implemented an automated data quality solution that revolutionized the way data monitoring and cleansing were conducted. By automating routine checks and corrections, reduced manual errors, increased operational efficiency, and set a new benchmark for data integrity within the organization.
- Under leadership, data quality initiatives flourished, leading to marked improvements in operational effectiveness and risk management strategies. By fostering a collaborative environment, worked closely with the data repair team and business units to elevate data standards, which in turn, supported significant data migration projects with heightened precision and success.
- Promoted to head analyst, designed and executed a program conducting over 30 daily analyses on a dataset exceeding 70,000 files, employing ETL best practices and sophisticated data management techniques; boosted data accuracy and efficiency, played a crucial role in promoting innovative data quality practices across departments, showcasing adeptness in steering transformative changes and enhancing organizational data governance.

EDUCATION & PROFESSIONAL DEVELOPMENT
Mentorship Program, Dapp Blockchain University, 2024
Bootcamp, Dapp Blockchain University, 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
MS Business Administration (Digital Business Track), University of Amsterdam, 2019
Bachelor Psychology (Brain & Cognition), University of Amsterdam, 2017

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

LANGUAGES
English (Native), **Dutch** (Native)

References Available Upon Request