WILLIAM SANDVEJ HANSEN

Data Engineer

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Summary

Based on your competencies, personal traits, and experiences as outlined in the provided job positions, you are well-equipped to contribute to the job description at SimCorp. Your experience as a Data Engineer at Energinet and sted highlights your proficiency in handling massive amounts of data, data validation, data modeling, and data analytics using technologies such as Python, Spark, SQL, Azure Services, and more. Your experience in developing IT solutions at Netcompany and NIRAS also demonstrates your ability to work on complex projects, integrate multiple systems, and develop algorithms for data transformation. Your background in project management with tools like Jira and Git, as well as your experience with Agile/Scrum methodologies, align well with the collaborative and innovative environment at SimCorp. Overall, your technical skills, problem-solving abilities, and collaborative mindset make you a strong candidate to contribute effectively to the digital engagement platform's data platform evolution and roadmap at SimCorp.

EDUCATION

Master of Engineering - MEng, Earth and Space Physics and Engineering

Danmarks Tekniske Universitet

📅 2014 – 2016

Bachelor of Engineering (BEng), Electrical and Electronics Engineering

Syddansk Universitet

📅 2010 – 2014

EXPERIENCE

Data Engineer

Energinet

📅 December 2022 – October 2023   📍 Copenhagen, Denmark

- Developed a data project collecting massive amounts of data from the energy island in Denmark, from various providers.
- Performed quality control and delivered data to developers.
- Utilized Spark and Databricks for scalability and flexibility in handling various data formats.
- Used Sedona (GeoSpark) for geospatial data processing and storage in Delta Parquet format.
- Implemented spatial partitioning using geohashing for improved read performance. Spark Databricks

Data Engineer

Ørsted

📅 March 2020 – November 2022   📍 Copenhagen, Denmark

- Developed a data validation component for data pipelines using Python and Pandas.
- Worked on data modeling to provide easy-to-understand and consume data for analytics tools.
- Developed data analytics and visualization tools using Python libraries such as Streamlit, Panel, Dash, and Bokeh.
- Used MS SQL Server, REST API, and Azure Service Bus for integration and data processing.
- Implemented a mock database using Python, SQLAlchemy, and SQLite for testing changes before production implementation.
- Used SAFE framework for project management and Azure DevOps, Docker, and Kubernetes for DevOps.

IT Consultant

Netcompany

📅 November 2018 – November 2019   📍 Copenhagen, Denmark

- Worked on building custom IT solutions with multiple integrations using Oracle, Groovy, REST, and JavaScript.
- Used Jira and Git with SCRUM for project management and version control.

Software Developer

NIRAS

📅 September 2016 – March 2018   📍 Allerød, Denmark

- Developed geodata algorithms for data transformation, including lidar data processing and image classification.
- Developed plugins for QGIS using Qt and Python.
- Used C# and Postgres/PostGIS for developing models and processing geospatial data.

PROJECTS

development-workforce

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ai-test-project

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SKILL MATRIX