

Sebastian Hansen, BA

Data Engineer

CAREER OBJECTIVES

Data engineer/ Data Architect/ Integration Specialist. I bring value to the organization by acquiring, transforming and analyzing critical data to facilitate fact-based decisions that positively transform the organization. I have over 5 years of experience developing in python. 10 years of experience building ETL pipelines. 3 Years of experience working with micro services and containers.

SPECIALIZATIONS

- Containerization: Vagrant, Docker
- IaC: Terraform, Cloud Formation, ARM
- Databases: Snowflake, Oracle 18c, MySQL, Redshift ,
- SQL Server, Synapse, Google Big Query, Azure Analysis Services
- Cloud Storage: ADLS Gen2, Azure Blob, S3
- Business Intelligence/ Reporting: Domo, Tableau, PowerBI
- Project Management: Notion, JIRA
- Development Environment: GCP, Azure ,AWS
- CRM: Salesforce
- CI/CD: Azure Devops, GitHub Actions
- Data Wrangling: Informatica , SSIS , DataBricks, Azure Data Factory, Python, Spark, Pandas, Analysis Services, Event Hub, Kafka
- Scripting Languages: DAX, PLSQL, SQL, VBA, SQL+ , SOQL, Python, Regex, Spark, Bash, Powershell
- SSO: PingFederate, Active Directory
- Data Governance: IICS Enterprise Data Catalog, Azure Purview
- ML: Databricks, AutoML

CONTACT INFO:

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DATA ALCHEMY (SELF EMPLOYED) 2022 - CURRENT

Consultant

Selected Achievements:

- Designed and implemented Snowflake environments
- Migrated on premise infrastructure to azure
- Set up Devops pipelines to deploy infrastructure assets and manage credentials through key vaults
- Integrated GA / GA4 to Google Big query to enable real-time web page insights
- Migrated local databases to azure using SQL server replication and ADF.
- Setup event hub integration to stream Snowflake log information to azure log analytics
- Setup CDC realtime dataflows using Kafka on legacy on premise databases to stream data to azure blob.
- Created micro service platform for ETL tools
- Created Dev container framework for deploying solutions to production.
- Implemented solution accelerators for customers to migrate to the cloud
- Used LangChain, llama index and ollama to create LLM apps for several customers.
- Implementation of IaC frameworks creating reusable component modules with custom business logic.
- Built custom solutions using open source software.
- Implementation of pipeline orchestration using Airflow.

ZYMEWORKS 2021 - 2022

Data Engineer II

Selected Achievements:

- Designed and implemented Snowflake environment
- Creation of data pipelines for various applications.
- Rebuilt on premise applications using azure resources.
- Built self serve pipeline to allow data funneling for non technical users to Snowflake
- Created agent as a service process to deploy Informatica secure agents through Puppet/ Terraform.
- Used Vagrant to create ready to go container solutions for different teams.

SAVE ON FOODS 2020 - 2022

Senior Data Engineer

Selected Achievements:

- Designed and implemented lake house architecture for enterprise reporting and applications.
- Implemented labor optimization pipeline in collaboration with D-Wave to change the way stores do scheduling.
- Loaded millions of transactional xml files into data lake using Informatica.
- Implementation of rest API's using python to control cloud assets by turning them off or scaling down when not being used.
- Successfully loaded and optimized large big data repository for retail sales data that has 5 million records a day, with 10 years worth of data. Used Informatica to load the data into Azure and a combination of Spark and Data Factory to transform it.
- Creation of Informatica mass ingestion automation tool used to trigger jobs via API.
- Deployed AAS relational models with measures and built Power BI dashboards on top.
- AAS automation to create data partitions and refresh data models every day.

ACADEMIC BACKGROUND

FORMAL EDUCATION

BA Universidad Latina of Costa Rica | **2011**
Saint Gregory High School | **2005**

CERTIFICATIONS

Project Management Seminar
MAPPO Consulting, November 2014
ISO 9001:2008 (Internal Auditor)
INTECO, April 2014
ITIL, Axelos, June, 2014
Six Sigma yellowbelt (JDIC) training
Bank of America, June 2014
- Snowflake Fundamentals

PASSION PROJECTS

- Domo For Good
- ICCBC Non Profit Salesforce

PRIOR WORK EXPERIENCE

Telus - Market Intelligence Manager
Telus - Business Analyst
Bank of America - Operations Data Analyst
Bank of America - Human Resources Specialist
Tech Data Corp. - US. Customer Service Agent
Sykes - GE Customer Service Agent
Costa Rica Expeditions - Senior Transfer Guide