



Matthew Arderne

DATA ENGINEER

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Summary

I am an experienced Data Engineer specialising in Data Integration. I am very comfortable with Data Integration, SQL and ETL. I've also managed reporting tools, analytics projects and machine learning data requirements.

I have a background in Industrial Engineering, and I began my career in ERP implementation before moving into the realm of reporting, data systems and data engineering, thus I have an excellent understanding of business analytics, reporting and business processes.

My personal interests include hackathons, running, sailing and climbing.

I do not require UK visa sponsorship.

Work Experience

Denodo

DATA ENGINEER

London, UK

May. 2018 - PRESENT

- Provide professional implementation and system health check services to Denodo customers.
- Provide online customer support services through support site relating to query performance tuning, configuration optimisation and integration processes.
- Online tutorial and education content development.

GetSmarter

DATA ENGINEER

Cape Town, South Africa

Nov. 2016 - May. 2018

- Planned and implemented the Denodo Platform on AWS at GetSmarter.
- Drove adoption of Denodo as primary data source for all data consumption including Tableau, Zoho reporting, and Reporting Data Warehouse, as well as for 10 Analysts and Data Scientists.
- Defined and built the semantic layer in Denodo, which integrated multiple data sources (Redshift, MySQL, S3, PostgreSQL, Salesforce API) into a final semantic layer, that helped analysts and data scientists access data autonomously using common business terms.
- Responsible for all maintenance, enhancements and development performed on the Denodo Platform, as well as ensuring uptime adherence to business Service Level Agreements.
- Master Data Management and system data migrations.
- ETL and data warehousing.
- AWS infrastructure management.

Devil's Peak Brewing Company

INDUSTRIAL ENGINEER

Cape Town, South Africa

Jan. 2015 - Nov. 2016

- Managed the implementation of Acumatica ERP, managing a team of two external consultants and two internal resources to deliver the project successfully and within budget and allocated time frame.
- Implemented Power BI reporting and visualization for all essential reports.
- Through implementing the reporting infrastructure for this project I fully realized my interests in data and have since actively pursued this direction.

Adapt IT

BUSINESS ANALYST

Cape Town, South Africa

Jun 2014. - Jan. 2015

- User acceptance testing for implementation of fuel delivery tracking integration with SAP for Local Oil Major.
- Microsoft CRM implementation and maintenance.

Skills

Data Engineering	Data Integration, SQL, ETL, Python, Linux, Feature Engineering.
Data Systems	Denodo, Tableau, MySQL, PostgreSQL, AWS, Redshift, Git, Docker.
Business Systems	Acumatica ERP, Salesforce.com.
Analytics	Reporting Automation, KPI Development, Predictive Analytics.

Education

Massachusetts Institute of Technology MIT

BIG DATA AND SOCIAL ANALYTICS

- Analyze big data to better understand and predict human networks and behaviors in social structures.

Online Short Course

Aug. 2017 - Oct. 2017

University of Oxford - Said Business School

OXFORD BLOCKCHAIN STRATEGY PROGRAMME

- Blockchain product strategy development, ideation and feasibility study.

Online Short Course

Mar. 2018 - Apr. 2018

Stellenbosch University

BACHELOR OF ENGINEERING (B.ENG.) - INDUSTRIAL ENGINEERING

- Final year project: Polyurethane micro-gripper utilizing van-der-Waals forces in micro-assembly.

Stellenbosch, South Africa

Jan. 2009 - Dec. 2012

Extracurricular Activity

Ikamva Youth

STUDENT MENTOR

- Mentored High School students to prepare for their final exams and bursary applications.

Cape Town, S.A

Jan. 2017 - Dec. 2017

Facebook Developer Circles

MEMBER

- Attended lecture series relating to use of PyTorch for Deep Learning.

Cape Town, S.A

Jun. 2017 - Sept. 2017

Honors & Awards

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| 2018 | 2nd Place, TNVA Future Cities Hackathon | <i>London, U.K</i> |
| 2017 | Winning Team, Digital McKinsey Future-Hack | <i>Johannesburg, S.A</i> |
| 2017 | Panelist, Denodo Data Virtualization Product Advisory Council | <i>London, U.K</i> |