

Information

Portfolio Website (with projects)

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Linkedin

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Key Skills

- Data Migration/Reconciliation (CloverDX)
- Data Analytics (Python, Numpy, Pandas, xarray, matplotlib)
- Data Warehousing (MSSQL, Oracle, MySQL)
- Reporting (PowerBI)
- Cloud Infrastructure (AWS, Terraform)
- AI/Machine Learning (sciki-learn, Sagemaker)
- Collaboration (Git)

Education, licenses & certifications

- Bachelor of Science, Majoring in Data Science at UoM
- AWS Certified Machine Learning - Speciality
- AWS Certified Solution Architect – Associate
- Databricks – Lakehouse Fundamentals certification
- Databricks – Generative AI Fundamentals certification

Heonjae Shin

Data Consultant

About Me

Heonjae is a results-driven and ambitious professional dedicated to leveraging cutting-edge technologies for addressing data-driven challenges. Holding a bachelor's degree in Data Science, he is a certified practitioner of AWS machine learning and solutions architecture. Specializing in data migration, reconciliation, reporting, visualization, data analysis, and machine learning, Heonjae collaborates closely with clients to overcome challenges and achieve their business objectives.

Relevant Experience

Consultant at Powered Data & AI – KPMG

• Defence Sector

- Reconciled over 80+ load files and 15+ finance objects across the migration of all cross-stream data into S/4 HANA solution using ETL tools Python, SQL, CloverDX
- Managed and mentored a group of defence cadets to streamline the deployment of PowerBI dashboards to defence PAC environment.
- Worked with SMEs to identify scope of reconciliation, review and log defects for mapping documents and continuously deploy reconciliation results to key stakeholders
- Continuously escalated the process of logging defects, validating the fix, and updating ETL processes. Logged over 50+ defects to the migration of SAP business objects over numerous conversion cycles.

• Financial Sector

- Automated the transformation scripts, SQL read query and metadata detection for over 120+ tables with the implementation of Python programming and SQL
- Conversed with the database SMEs to closely monitor the correct implementation of transformation and migration logic.
- Supported the reporting of weekly updates for external and internal stakeholder management

Machine Learning Engineer (Intern) - BOM

• The Bureau of Meteorology

- Remotely controlled NCI supercomputer with UNIX to write and execute PBS scripts for parallel computing of big data
- Generated models and predictions for lightening forecasting for large climate data using libraries such as xarray, numpy
- Tested performance of variations of training data with methods such as transformations, feature engineering and feature selection through libraries such as SciPy/sckit-learn
- Evaluated and visualised (matplotlib) performance of various machine learning models with AutoML to identify most accurate and applicable model for lightening forecasting
- Collaborated with senior scientists and developers using Git

Python Programming Tutor/Assistant Lecturer (workshop)

- **The Korean Academy of Scientists and Engineers in Australasia**
 - Tutored and assisted in a three-day workshop of mentoring scientists on implementing Python for big data handling
 - Delivered lecture centred on implementing Jupyterlab fundamentals for Python
 - Provided tuition of scientists on Unix, Git and Python libraries Numpy, Pandas, Xarray, Dask, Scikit-learn
 - Developed workshop study material in the form of a Jupyter notebook using the listed technologies above