MOCHAMMAD RENDRA PUTRA PRATAMA

Data Engineer | ETL/ELT Specialist | Banking Domain
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PROFESSIONAL SUMMARY

Data Engineer with 3 years of hands-on experience building and optimizing production-grade ETL pipelines for enterprise banking clients, including Permata Bank. Proven ability to develop complex stored procedures, handle large-scale data transformation, and ensure data accuracy in high-stakes environments using SQL Server and SSIS. Currently pursuing a Master's degree in Computer Science at Binus University (GPA 3.72/4.00), with a strong foundation in Python and AI. Actively expanding expertise in cloud data tools and modern data stack (dbt, Apache Airflow, GCP) to build scalable ELT pipelines. Open to Data Engineer and any data related roles.

PROFESSIONAL EXPERIENCE

Data Engineer (ETL Developer)

Jul 2023 – Present

PT. Bumi Amartha Teknologi Mandiri (AMARTEK) | Jakarta, Indonesia | Contract

- Developed and maintained 40–50 stored procedures and ETL pipelines using SSIS and SQL Server for Permata Bank's Antasena, handling 6 projects covering new pipeline development, table additions, and transformation logic modifications.
- Developed and optimized complex stored procedures for large-scale data transformation, improving pipeline reliability and processing efficiency in production banking environments.
- Collaborated directly with Permata Bank stakeholders to translate business requirements into scalable data solutions. Covering schema design, data accuracy validation, and pipeline performance tuning.
- Monitored, troubleshot, and resolved pipeline incidents to maintain data consistency across multiple concurrent client environments.
- Key projects: **Permata Bank (Antasena)**
- Tools & Technologies: **SQL Server, SSIS, SSMS, T-SQL, Excel**

Data Scientist Intern

Mar 2020 – Feb 2021

Telkom Indonesia | Jakarta, Indonesia | Internship

- Contributed to COVID-19 data mining pipeline for PeduliLindungi, a government contact tracing app used by millions of Indonesians, supporting national COVID-19 response efforts.
- Developed an Indonesian text corrector using IndoBERT (transformer-based NLP model), improving labeling accuracy for Government Sentiment Analysis on social media data.
- Built and labeled datasets from government-related social media posts for sentiment analysis model training, directly improving downstream model performance.
- Performed QA manual testing on Ministry of State Secretariat internal website, identifying and documenting bugs for resolution.
- Tools & Technologies: **Python, SQL, Excel, NLP**

EDUCATION

Master of Computer Science *Feb 2024 – Present*

Universitas Bina Nusantara | GPA: 3.72 / 4.00

Specialization in Big Data. Relevant courses: Machine Learning, Business Intelligence & Analytics, Big Data Analytics, Deep Learning, IoT

Bachelor of Computer Science *Sep 2017 – Dec 2021*

Universitas Bina Nusantara | GPA: 2.98 / 4.00

Specialization in AI. Relevant courses: AI, Computer Vision, NLP, Artificial Neural Networks, Database Systems

TECHNICAL SKILLS

Core DE	SQL Server · SSIS · T-SQL · Stored Procedures · ETL/ELT Pipelines · Data Transformation
Programming	Python · SQL · C · C++ · Java · Golang
Databases	SQL Server · SSMS · PostgreSQL
Data Tools	Excel · Matplotlib · Scikit-learn · NumPy · Jupyter Notebook · Google Colab
Learning	dbt · Apache Airflow · GCP · BigQuery · Google Cloud Storage
NLP / ML	IndoBERT · NLP · Classification · Random Forest · Neural Networks
Languages	English (Professional) · Indonesian (Native) · Japanese (Elementary)

CERTIFICATIONS & TRAINING

- JLPT N4 — Japan Foundation (2018) | Japanese Language Proficiency Test
- Machine Learning — Sololearn (2021) | Classification, Decision Tree, Random Forest, Neural Networks
- Program Magang Mahasiswa Bersertifikat — Forum Human Capital Indonesia (2021) | Data Scientist Internship at Telkom Indonesia