

AFNER SIRAIT

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Data Engineer and AI & Data Analyst with 2+ years of experience designing end-to-end data pipelines, ELT frameworks, and cloud-based data architectures using Microsoft Fabric, Azure Data Factory, SQL and Python. Strong background in DevOps engineering with hands-on experience in Kubernetes, Docker, CI/CD pipelines, and cloud infrastructure. Experienced in data modeling, data quality frameworks, ETL optimization, and business intelligence solutions for banking, property, and credit scoring industries.

CORE TECHNICAL COMPETENCIES

- **Data Engineering:** ETL, ELT, Data Pipelines, Data Modeling, Data Warehousing, Lakehouse Architecture
- **Cloud Platforms:** Microsoft Azure, AWS, Google Cloud
- **Big Data & Analytics:** Microsoft Fabric, Azure Synapse, Power BI, SAP HANA
- **DevOps:** Kubernetes, Docker, CI/CD, Jenkins, GitLab, Infrastructure as Code
- **Databases:** PostgreSQL, MySQL, SAP HANA, Redshift, Snowflake
- **Programming:** Python, SQL, Bash, YAML
- **Data Quality & Governance:** Data Validation, Data Testing, Monitoring, Logging

WORK EXPERIENCES

AI & Data Analyst in Feedloop.ai Sep 2025 – Now

- Data Architecture design based on best practices and requirements
- Collected, cleaned, and analyzed datasets to extract actionable insights that support data-driven decision-making.
- Designed star-schema and normalized data models supporting analytics dashboards and AI-driven insights.
- Conducted exploratory data analysis (EDA) to identify patterns, correlations, and anomalies
- Develop end-to-end data pipeline in DLT - Prefect improving data availability in datawarehouse for BI Dashboard.
- Implemented and maintained data quality standards, ensuring data integrity, security, and compliance with organizational and regulatory requirements.

DevOps Engineer in Feedloop.ai Jun 2025 – Oct 2025

- Troubleshooted infrastructure and application issues

- Managed containerized applications with Docker and Kubernetes (GKE/EKS/AKS), ensuring high availability, scalability, and security.
- Collaborated closely with development teams to optimize build, test, and release processes
- Managed secrets and security policies to ensure compliance and safe operations in production environments.
- Designed, implemented, and maintained CI/CD pipelines using modern automation tools

AI & Data Analyst in Deloitte Consulting SEA

Jan 2023 – Jun 2025

- As a Data Engineer for one of the biggest Property Company in Indonesia
 - Conduct reverse engineering of existing Customer-360 Dashboard end-to-end data pipeline built on top of Azure Synapse and Azure Data Factory
 - Conduct target state end-to-end data pipeline architecture and system
 - Design end-to-end ELT framework
 - Developed enterprise-grade ELT pipelines using Microsoft Fabric, implementing Bronze, Silver, and Gold layers, data orchestration, and automated data quality checks supporting Customer 360 analytics.
 - Conduct end-to-end data pipeline testing and data transformation testing
- As a Business Analyst for one of the biggest Credit Scoring Company in Indonesia
 - Perform Data and System exploration and analysis
 - Analyze the business logic be implemented in the new scoring engine system
 - Designing ERD (Entity Relationship Diagram) for the new scoring engine requirement
 - Conduct Data Preparation
 - Conduct Testing and Validation
- As a DevOps Engineer for one of the biggest Credit Scoring Company in Indonesia
 - Conduct server configuration according to the new Credit Scoring Engine requirements
 - Conduct installation of Kubernetes Cluster on-premise and its complements such as Container-D, Docker, ETCD, NFS, and High Available (HA) Database (PostgreSQL, Patroni, HA Proxy)
 - Conduct installation of SAS Viya 4 on top of Kubernetes on-premise
 - Conduct installation of logging and monitoring system using Prometheus, Grafana and OpenSearch
 - Design and implement CI/CD system for deployment activity, using Jenkins, Docker, and GitLab
 - Support troubleshooting issues in Kubernetes and the backend system of SAS Viya 4 and the administrations
- As a Data Engineer in one of the Leading Bank Company in Indonesia
 - Develop ETL Pipeline in SAP HANA DB (Stored Procedures, Flow Graph and Calculation View) based on business requirements for business analytic dashboard

AI & Data Analyst Intern in Deloitte Consulting SEA

May 2022 – Jul 2022

- Learn how to use Microsoft Excel and Python for Data Cleansing and Analysis

- Learn the techniques and procedures of Stored Procedure Migration from Postgres SQL (AWS Database) to snowflake database
- Learn how to do Data Validation using SQL and do analysis to compare and synchronize the logic of the database from the on-premise database (SQL Server Management Studio) to the migrated database in Snowflake

CERTIFICATIONS

- **Microsoft Azure Fundamentals** (2024)
 - Describe cloud concepts
 - Describe Azure architecture and services
 - Describe Azure management and governance
- **Google Cloud Generative AI Specialist** (2024)
 - Demonstrate understanding of foundational concepts in generative AI.
 - Introduction to Generative AI
 - Introduction to Large Language Models
 - Introduction to Responsible AI
- **AWS Cloud Practitioner** (2023)
 - Fundamental understanding of IT services and their uses in the AWS Cloud
 - Cloud fluency and foundational AWS knowledge
 - Able to identify essential AWS services necessary to set up AWS-focused projects

LANGUAGE

- **Bahasa Indonesia** (Native)
- **English** (Professional)

EDUCATION

Bachelor of Electrical Engineering, Universitas Gadjah Mada

Aug 2018 – Oct 2022

- GPA: 3.54 / 4.00 – Cum Laude