

IRENE SUNARYO

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PROFILE

An enthusiastic self-starter with a passion for science, technology, and data-driven decision making. Seeking a career that provides an opportunity to capitalize my technical skills & abilities in the field of data science and information technology.

WORK EXPERIENCE

PT. Jasa Teknologi Informasi IBM – Jakarta, Indonesia

Data Specialist

May 2022 – Now

- Increase Apache Airflow monthly uptime to 99% from 82% by optimizing ETL scripts and utilizing Robotic Process Automation to detect Airflow downtime
- Improved data pipeline efficiency by 75% through optimization of SQL queries and Python script.
- Create and maintain analytics dashboards with Elasticsearch, Kibana, and Logstash (ELK Stack) as a single source of reporting for cross-functional teams.
- Developed an NLP-powered content-based recommender system with a Flask API for use in Applicant Tracking Systems.
- Designed, created and developed software presentations and POC for clients related to Data, AI and Process Mining systems.

PROJECTS

Installation of Data Governance Platform - Government Entities

Data Platform Engineer

Nov 2023 – Dec 2023

- Installed and implemented IBM Cloud Pak for Data, IBM Knowledge Catalog, Datastage, Db2 and Manta as a unified Data & AI platform on Red Hat Openshift cluster in 4-person team over 4-week period.
- Assessed client's data quality across 15 different application databases using Data Quality framework and established the implementation of Data Governance framework.
- Technologies used: Linux, Red Hat OpenShift, Platform Administration, SQL

Pilot System for Building Permit Approval - Government Office

Data Specialist

Aug 2022 – Oct 2023

- Developed a Web Application solution for a government office, involved in system design, requirement specification, and prototyping, reducing permit issuance time by 70%
- Developed OCR to automate data extraction using OpenCV, Flask, and Python for HTTP requests
- Technologies used: OpenCV, UiPath, IBM RPA, ELK Stack, IBM Cloud Storage, Trello, Git

Process Mining POC – Microfinance Institution

Data Specialist

July 2023 – August 2023

- Analyze the productivity and effectiveness of the collection management process of transactions worth 2.34 Billion IDR.
- Develop 3 interactive Operational, Financial and KPI dashboards
- Measure the performance of the collection process and identify process bottlenecks/deviation
- Technologies used: Celonis Process Mining, pm4py package for python

EDUCATION

Monash University Malaysia

Oct 2018 – July 2021

Bachelor of Food Science and Technology; Cumulative GPA: 3.35/4.0

- Monash University 2020 virtual Global Discovery Program Scholar

SKILLS

Languages: English, Indonesian

Programming Languages: Python, SQL, NoSQL

Packages: Pandas, NumPy, Matplotlib, OpenCV, Tesseract, Flask, Scikit-learn, NLTK, BeautifulSoup, pm4py

Technologies: PostgreSQL, MongoDB, Airflow, ELK Stack, OpenShift, Git, IBM RPA, Celonis

Certifications & Training: [IBM Robotic Process Automation v20.12.x](#) , [AWS Certified Cloud Practitioner](#)