

Experiences

Data Engineer Principal

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Apr '22 - Present

- Designed and implemented a scalable, automated, and robust data architecture to support the organization's growing data needs.
- Monitored and optimized the performance of data operations while effectively managing costs, ensuring the sustainability of data initiatives.
- Cutting **cost** up to **75%** across multiple projects by streamlining ingestion methods and servers.
- Deployed a **self-service** pipeline generation framework with **Airflow**, **dbt**, and in-house tools, reducing pipeline development & deployment time by up to **2 man days**.
- Saving almost **50%** of **Airflow** cluster **cost** by consolidating clusters into one cluster.

Technology: GCP, Airflow, dbt, Kubernetes, GKE, Beam, PySpark

Data Engineer Lead

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Sep '19 - Apr '22

- Design architecture for new microservices projects/dashboards for data team (React + Golang).
- Maintaining, monitoring and improving the quality of the microservices.
- Managing project and team closely with managers and VPs
- Successfully conducted research for the **Airflow** and **dbt** project, laying the groundwork for future implementation.
- Maintaining **99%** up time of all services in our Google Kubernetes Engine (GKE) clusters.

Technology: GCP, Golang, React JS, Postgresql, JIRA, Docker, dbt, Airflow

Data Engineer

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Nov '18 - Sep '19

- Responsible for managing, optimizing, overseeing and monitoring data retrieval, storage and distribution throughout the organization.
- Design and implementation of a scalable Data Warehouse architecture in **BigQuery**.
- Develop and monitor the data loading process.
- Designed and implemented custom **Apache NiFi** processors to handle data integration tasks between various systems and **BigQuery**, enhancing data processing capabilities.

Technology: GCP, Apache NIFI, Apache Livy, Java, Python, Spark

Certifications

- Astronomer's Apache Airflow Fundamentals

Recommendations

Senior Data Engineer
Mindvalley

Fari Q. Andana

Jun '24

"Josi is a very versatile data engineer with deep knowledge in infrastructure and data pipeline technology. He transformed our data pipelines into pipelines with high degree of automation. He also managed to migrate our large Airflow clusters to save a lot of cost. Overall, he is a great peer whom I enjoyed working with."

Head of Data Engineer
Philip Morris Intl.

Maria Tjahjadi

Oct '20

"Josi is a valuable team member, he will always find a way to solve any technical problems. Not only an independent learner, but he is also keen to share his knowledge to other people. Working with him has been a pleasure, can't wait to work with him again."

Senior BI Analyst
Sayurbox

Dian Nurhayati

Aug '18

"Josi is incredibly humble and was my partner in my first workplace. He is intelligent and kind, excelling in big data analytics and all aspects of data, including data engineering, data science, and data analysis."

Education & Courses

- **Coursera**: Architecting with Google Compute Engine Bahasa Indonesia, Google Project Management
- **Udemy**: Apache Spark 2.0 with Scala, Apache Spark with Python
- **Datacamp**: Python Programming Track (Dec 2017), Data Analyst with Python Track (Jan 2018).
- **Microsoft**: MTA Database Fundamental (Jun 2016).
- **Cisco**: CCNA Routing and Switching: Intro to Networks (Jan 2014)

Bachelor

Amikom University

2013 - 2016

- Bachelor of Information Technology (International Class). GPA: 3.96 out of 4.00.
- Undergraduate Thesis Topics: Data Mining, Association Rules, A Priori Algorithm, Web-based.