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Josi Aranda

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Experiences

Data Engineer Principal **Macromill Inc.** **Apr '25 - Present**

- Designed and led the new **data platform**, migrating from the legacy platform (**Athena** + **S3**) to a **BigQuery**-centric lakehouse architecture.
- Built and operated large-scale **CDC** pipelines using **Debezium** → **Pub/Sub** → **Dataflow** → **BigQuery** for multiple source systems.
- Established **data modeling**, schema evolution, and partitioning standards across bronze, silver, and gold layers.
- Designed and maintained **Terraform**-based **multi-cloud** infrastructure across **GCP** and **AWS**, including networking and data services.
- Led **performance testing**, **observability**, and **cost optimization**, working closely with SRE and platform teams.

Data Engineer Principal **tiket.com** **Apr '22 - Apr '25**

- 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 up to **50%** of **Airflow** cluster **cost** by consolidating clusters into one cluster.

Data Engineer Lead & Data Engineer **tiket.com** **Nov '18 - Apr '22**

- Held successive roles, progressing from Data Engineer to Data Engineer Lead, managing data retrieval, storage, distribution, and **team leadership**.
- Designed and implemented a scalable Data Warehouse architecture in **BigQuery**.
- Maintained **99%** uptime for all services deployed in **Google Kubernetes Engine** (**GKE**) clusters.
- Conducted foundational research and laid the groundwork for the successful implementation of **Airflow** and **dbt** projects.
- Designed and implemented custom **Apache NiFi** processors to integrate data between various systems and BigQuery.
- Contributed to the design and quality improvement of new microservices for the data team (**React** + **Golang**).

Certifications

- Google Cloud Professional Data Engineer
- Confluent Data Streaming Engineer
- Astronomer Certification DAG Authoring for Apache Airflow 3
- Astronomer Certification for Apache Airflow 3 Fundamentals
- Astronomer Certification for Apache Airflow 2 Fundamentals

Recommendations

Engineering Manager **Jer Wei Yeoh** **Dec '25**
Macromill Inc.

"Josi was our first principal level hire to lead the transformation of our data culture in Macromill. Josi was the perfect candidate to bridge the gap we had. He then took ownership of the architecture and implementation; worked with experienced data engineers to setup standards to scale operations; and even went beyond to set it up for other system team's due their lack of capability and time."

VP of Data **Victor Setya** **Mar '25**
tiket.com

"His versatility and technical depth made him a reliable go-to person for complex problems. Josi was also a great team player—collaborative, proactive, and always willing to step in where needed."

Head of Data Engineer **Maria Tjahjadi** **Oct '20**
Philip Morris Intl.

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

Education

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.