

# Anthony Estrada

Data Evangelist | Data Engineer | Data Analytics  
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## Links

Linkedin: <https://linkedin.com/in/esthony/>  
Github: <https://github.com/Tutuldot/>  
Website: <https://www.esthony.com>

## Skill

### Programming

C#, Python, Java, Javascript, Typscript, SQL, PLSQL

### Expertise:

ETL, ELT, Data Migration, Data Warehouse, Data Lake, Data Analytics, Reporting, AI

## Libraries and Tools

Pandas, Jupyter, PowerBI, Azure, AWS  
Bedrock, Dockers, Synapse, Databricks,  
Data Factory, Fabric, Talend, SSIS, SSRS,  
Langchain

## Certifications and Badge:

Microsoft Fabric Skills  
Microsoft – Jun 2024

Azure Data Fundamentals  
Microsoft – May 2024

Google Advance Data Analytics  
Google – August 2023

## School Attended:

Jose Rizal University  
BS in Information Technology  
2005-2009

## Latest Projects

Airflow Implementation  
STMicroelectronics – Mar – June 2024

Message Categorizer  
OTaxi – June - July 2024

Tiktok Shop ETL  
Upwork – December 2023 – March 2024

Microsoft Fabric Implementation  
STMicroelectronics- June 2023 - Present

## Work Experience:

### STMicroelectronics | Senior Engineer – Data Science and Analytics Nov 2022 – Present | Manufacturing Industry | Laguna, Philippines

- **Researched and produced solution to help discover Equipment usage costs savings of over 200,000 USD and improved equipment efficiency tracking**
- Collaborated and engineered 2 new software products using Python to help monitoring of machine logs, validate data and anomaly detection
- **Independently improved major bottlenecks in algorithm and metric processing of Oracle MES Server by decreasing run time by 60% to 90%**
- Implemented self service reporting solution that increased productivity of every teams working with data
- Manage data engineering team with 5 members in implementing data solutions

## HIGHLIGHTED PROJECTS:

- **Overall Equipment Efficiency Report**
  - Outlined a new data warehouse and ETL to meet business requirements
  - Automated external reporting and alert system
  - Developed algorithms to detect inefficient equipment across 5000 machines
- **Self Service Reporting Solution**
  - Designed a data warehouse system implementing Medallion Architecture
  - Designed MariaDB database and python system to manage six algorithms
  - Automated external reporting and alert system to provide an actionable list of equipment to monitor

### Asurion Hong Kong LTD | Business Intelligence Lead 3 Nov 2016 – Nov 2022 | Manufacturing Industry | Laguna, Philippines

- **Successfully lead and completed 3 big data and platform migration.**
- Engineered new software products using Python and C# to that improved the way of working and productivity of supply chain and production departments
- **Implemented data warehouse for reporting solutions**
- Established development standards for SQL, PowerBI and Data Warehouse

### Nityo Infotech | IT Consultant Dec 2015 – Nov 2016 | Manufacturing | Manila, Philippines

- **May 2016 – Nov 2016: Deployed at Asurion Hong Kong LTD as Business Intelligence developer. Handled end-to-end development of reports**
- Dec 2012 – May 2016: Deployed at Sun Power Corporation to handle migration for MES reports

### Isuzu Automotive Dealership Inc | System Analyst / Programmer Sept 2012 – Dec 2015 | Sales & Finance | Manila, Philippines

- **Completed the data migration project to consolidate 3 different ERP System**
- Independently improved major bottlenecks and eliminate database lockup in MS SQL Server by implementing data warehouse and data purging that significantly increases performance. Eliminated transactions loses and downtime cost of 100,000 USD yearly.
- **Lead the conversation of current ERP system from window based to web based application.**