

Jan Derick V. Velez

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EDUCATIONAL BACKGROUND

Tertiary Education- University of Perpetual Help System DALTA – Calamba Campus
Industrial Engineering

PROFESSIONAL SUMMARY

Industrial Engineering graduate with early experience in production planning and process engineering. After working on data-driven tasks in these roles, I transitioned into web development, where I developed a strong interest in backend systems and data workflows. I'm now focused on Python development, specializing in building and maintaining data pipelines, automating processes, and working with modern data orchestration tools.

TECHNICAL SKILLS:

- Web Scraping & Data Extraction (Python)
 - Automated data extraction from dynamic websites using Playwright (headless browser automation).
 - Parsed and cleaned scraped data using Pandas.
 - Create data visualizations, including charts, graphs, and customized plots for data analysis using Matplotlib.
 - Stored extracted data in a relational database using SQLAlchemy ORM.
 - Scheduled scraping jobs as part of background task processing.
- AWS Cloud Computing
 - Provision of Cloud computing and other resources (S3, EC2, ECR, ECS)
 - Manage resources using Terraform
 - Processing of Background tasks via ECS
- Data Pipeline Creation using Python
 - Downloading of raw files in SFTP Server
 - Unzipping of password protected file
 - Parsing, validation and transformation of csv and fixed length files
 - Mapping and storing of transformed data to SQL server database
 - Email notification once files are processed
- Configuration of CI/CD Pipelines
 - Automation of deployment pipelines using Onprem Azure DevOps and AWS CodeBuild
 - Deployment of containerized applications using ECR and ECS.
- Data Modeling/Database Design
 - Creation of database entities based on provided requirements UML and Relationship Diagrams

- Creation of Tabular functions, Stored Procedure and Views
- SQL Server Database Migration
 - Migration of Onprem SQL 2012 to SQL Server 2019 Azure vm instance
 - Using of SQL Server Migration Assistant to check compatibility of Stored Procedure from SQL Server 2012 to SQL Server 2019
 - Monitoring of Query performance via SQL Profiler
 - Backup and restore of data
 - Peer to peer SQL Replication (publisher-subscriber relationship) to improve database performance.
- Application Containerization
 - Using Docker to run and build images.

WORK EXPERIENCE

JR. SOFTWARE DEVELOPER - Freelance (March 01, 2023 to Present)

- Government Education Information System Abroad (Sub-contractor)
 - UI testing and documentation of verification steps.
- Data Migration project (Sub-contractor)
 - Migration of Legacy data from SQL Server 2012 to SQL Server 2019
 - SQL Data Analysis – checking of Stored Procedure compatibility using SQL Migration Assistant
 - Testing of stored procedure for performance comparison.
 - Optimization of query performance from 95 mins to 24 mins (74% processing time reduction).
- Airlines Flight Booking project (Sub-contractor)
 - Minor Application features- creating data model to parse xml file.
 - Testing of feature in local and test environment
 - Documentation of verification steps after testing.
- Medical Information System (Sub-contractor)
 - Creation of SFTP data pipeline (Python script) for improved data transfers between departments.
 - Setup of cloud resources in preparation for migration from Onprem servers to AWS resources with Terraform scripts
 - Containerized application Deployment and data batch processing using Docker and AWS resources (ECR, ECS tasks)

Tech Stack:

- Programming Language: Python
- Databases: MySQL, PostgreSQL, MS SQL Server
- Cloud & DevOps: AWS (S3, EC2, ECS, ECR), Docker

- Data Orchestration: Dagster
- Monitoring & Visualization: Grafana, Power BI

PRICON MICROELECTRONICS INCORPORATION

Jr. Process Engineer (February 12, 2022 to February 28, 2023)

- Overall Production Data Monitoring (Production Yield/ Process Yield)
- Production Data Analysis
- Handling of Product Information (Product & Die-set history)
- Product Evaluation using MSA(Measurement System Analysis)
- Product Problem Analysis and Investigation

- Best Engineer for the Month of July 2022
- Best Engineer for the Month of November 2022

TOKAI RIKA PHILIPPINES CORP.

Production Planner (September 22, 2020 to August 05, 2021)

- Production Planning/Scheduling
- Production Data Monitoring (Product output / Shipment Backlog)
- Shipment status coordinator

- **Kaizen** June 2021
Production Quantity Change Notice -Weekly Activity **(From 9hrs to 1hr consumption)**
Process time consumption reduced by **88%** through excel formulas (Logical Formulas).

INTERNSHIP

HINO MOTORS PHILIPPINES CORP.

Automotive Manufacturer

On the Job Trainee (April - May 2019)

CERTIFICATION AND TRAININGS

- 7 QC Tools Training
- FMEA Training
- Technical Report Writing Training
- Measurement System Analysis (MSA) Training
- 8D Problem Solving Method

AMAZON WEB SERVICES – CERTIFIED CLOUD PRACTITIONER

(December 2023)

CERTIFIED DATA ENGINEER ASSOCIATE – DataCamp (February 2025)

CERTIFIED DATA ENGINEER – DataCamp (March 2025)

DATA SCIENCE ESSENTIALS WITH PYTHON- CISCO NETWORKING ACADEMY(DICT-ITU-DTC)
(September 2025)

CAREER SERVICE PROFESSIONAL ELIGIBILITY

Civil Service Commission (Passed March 2023)

SAFETY OFFICER 2

BOSH - BASIC OCCUPATIONAL SAFETY AND HEALTH -PEME Consultancy, Inc.
Department of Labor and Employment Accreditation No. 1030-011917-0035

(TOEIC)

CERTIFIED WORKING PROFICIENCY IN ENGLISH- Test of English for International Communication

Score Description- Able to satisfy most requirements of basic English communication (Scored 810/990)

CERTIFIED LEAN SIX SIGMA WHITE BELT- Ask Lex PH Academy

Certification no. CLSSWB - 062420-0743