

ESWERR SOMUNAIDU

Perak, Malaysia | +60 16-7405 690 | eswerr123@gmail.com

LinkedIn: linkedin.com/in/eswerrsomunaidu/

GitHub: github.com/Eswerr-1739



SUMMARY

Data & AI Engineer with **1.5 years of hands-on experience** supporting Python-based ETL pipelines, analytics workflows, and dashboarding solutions in regulated, global environments. Experienced in assisting with **data schema design, data ingestion automation, and transformation of multi-source datasets** for reporting and analysis. Comfortable working with **SQL (PostgreSQL), Linux-based environments, Git workflows**, and modern analytics platforms, with foundational exposure to **BigQuery-style data warehousing and dashboarding systems**. Known for being detail-oriented and collaborative, working closely with engineering, operations, and business teams to investigate data issues, improve data quality, and deliver reliable insights efficiently.

SKILLS

TECHNICAL SKILLS:

- Data Engineering & ETL:** Python (Pandas, NumPy), ETL pipeline design, schema modeling, data validation, batch processing, data quality checks, automation frameworks, data monitoring & alerting.
- Databases & Querying:** SQL (PostgreSQL, MySQL), complex joins, window functions, performance tuning, analytical querying.
- Cloud & Analytics Platforms:** Google Cloud fundamentals (BigQuery concepts, data warehousing), Power BI, Tableau, Google Data Studio-style dashboarding.
- Programming & Systems:** Linux environments, shell scripting (bash), Git / Bitbucket, CI-friendly workflows, basic DevOps exposure.
- AI & Advanced Analytics:** Exploratory Data Analysis (EDA), Generative AI foundations, Agentic Workflows, RAG concepts, ML/AI application prototyping.
- Software Development Practices:** Agile / SDLC, Jira, UAT, version control, production debugging.

SOFT SKILLS:

- Analytical Problem Solving:** Deconstructing ambiguous data and system issues to root causes under time constraints.
- Cross-Functional Collaboration:** Working with product, operations, QA, and regional stakeholders across APAC.
- Ownership & Initiative:** Proactively improving pipelines, dashboards, and reporting workflows without direct supervision.
- Communication:** Translating complex data outputs into clear, business-focused insights for non-technical stakeholders.

WORK HISTORY

Associate Developer, IT (Data & Analytics Focus)

Edwards Lifesciences, Kuala Lumpur, Malaysia

September 2024 – January 2026

- ETL & Data Pipelines:** Designed and maintained **Python-based ETL workflows** to ingest, clean, and transform operational data from multiple internal systems, improving downstream reporting accuracy by **~20%**.

- **Schema Design & Data Modeling:** Collaborated with regional teams to standardize **analytical data schemas**, reducing reporting inconsistencies across **5+ global platforms**.
- **Dashboards & Monitoring:** Built and extended **Power BI and Tableau dashboards** to monitor system reliability, data freshness, and operational KPIs, replacing manual reports and saving **8–10 hours/week** for regional teams.
- **Data Quality & Validation:** Implemented automated validation checks during UAT and production rollouts, maintaining **100% data integrity** in regulated environments.
- **Root Cause Analysis:** Leveraged SQL deep-dives and AI-assisted analysis to accelerate defect identification, reducing mean time to resolution (MTTR) by **~15%**.
- **Engineering Collaboration:** Worked in Linux-based environments, managed source code via **Git**, and participated in Agile ceremonies to ensure timely and reliable releases.

Leadership & Corporate Citizenship (R.O.W. Committee)

Edwards Lifesciences, Kuala Lumpur, Malaysia

January 2025 – January 2026

- Led cross-departmental initiatives for cultural and employee engagement events, coordinating logistics for 200+ employees.
- Managed vendor relations, timelines, and operational reporting for major events such as Deepavali and CNY, ensuring seamless execution.

Web CMS Intern (Data Auditing & Reliability)

Edwards Lifesciences, Kuala Lumpur, Malaysia

March 2024 – August 2024

- **Data Auditing & Analysis:** Used **Python (Pandas)** and **EDA techniques** to audit **50+ structured content datasets**, ensuring accuracy prior to regional deployments.
- **System Reliability:** Conducted QA and validation check that contributed to **zero downtime** during high-impact APAC system updates.
- **Operational Reporting:** Developed early-stage **Power BI dashboards** to track audit progress and deployment readiness for leadership teams.
- **Cross-Team Support:** Partnered with developers and content owners to resolve data discrepancies efficiently under release deadlines.

PROJECTS

Python-Based ETL & Analytics Pipeline (End-to-End Project)

- **Pipeline Engineering:** Built an end-to-end **ETL pipeline** using Python to extract, transform, and load **1,000+ transactional records** from raw datasets into analytics-ready tables.
- **Data Quality Controls:** Implemented validation rules and consistency checks, reducing data errors by **~25%** during transformation.
- **Business Dashboards:** Designed Power BI dashboards to track revenue trends, churn signals, and operational KPIs for stakeholder consumption.

AI-Driven Data Validation & Reporting Automation

- **Workflow Automation:** Designed an **agentic automation framework** to streamline Excel-to-analytics workflows, reducing manual processing time by **~30%**.
- **Validation Logic:** Embedded automated data checks to flag anomalies before reports reach stakeholders, improving trust in analytics outputs.
- **Scalability Focus:** Currently refining the pipeline to support higher data volumes and production-style monitoring.

Generative AI & Analytics Strategy Simulation - TATA Group

- Performed **statistical EDA** on financial datasets to identify operational risk indicators.
- Proposed a **Generative AI-assisted reporting framework** to automate executive summaries, reducing analyst effort for recurring reports.
- Created **synthetic datasets** in Python to stress-test analytical assumptions and report logic.

EDUCATION & CERTIFICATION

- **Bachelor of Computer Science (Multimedia) with Hons | Universiti Putra Malaysia | CGPA: 3.675**
- **Honors: Dean's List Award (3 semesters).**
- **Languages:** English, Malay, Tamil, Telugu.
- **JPMorgan Chase Software Engineering:** Kafka, Spring Boot, Java, SQL, JPA.
- **Certification:** Azure AI Fundamentals, Google AI Essentials, Generative AI Databricks.
- **Virtual Internships:** AWS Solutions Architecture, Deloitte (Australia) Data Analytics, GenAI Powered Data Analytics.

REFERENCES

- **Daniel Ng | Internship Supervisor | Edwards Lifesciences**
Job Position: Director, IT Applications for Information Technology
Phone (H/P): +60 12-6075583
- **Dr. Alfian bin Abdul Halin | Internship Coordinator | UPM**
Job Position: Senior Lecturer, UPM
Phone (H/P): +603-9769 1798