Kenneth Reforma

Data Analyst/Data Engineer, Electrical Engineer

Mobile (+1) 437 265-0719   **LinkedIn** www.linkedin.com/in/kenneth-reforma
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Address 115 Mentor Blvd., North York, Ontario M2H 2M9

Summary of Qualifications

- Has experience and knowledge in electronics, electrical engineering, energy trading, data analysis, and data engineering concepts and processes;
- Possesses strong work ethic: willing to work any shift, including over-time; willing to be trained in unfamiliar tools and software required for the job; engages in team collaboration and multi-cultural workplace; able to manage multiple tasks; and values team effort and professionalism;
- Performs root-cause analysis and troubleshooting processes in computing and business processes; Comfortable in handling data integration and processing;
- Passionate with personal growth and knowledge through certifications and adapting them in the workplace when applicable; and
- Currently taking Computer Programming program in Seneca College-Newnham Campus.

Work Experience

2017 MAY to 2022 JUN   FIRST GEN CORPORATION, Power Industry Analyst/Data Engineer

- Optimized offers of the generating capacity portfolio in the Philippine electricity spot market, ancillary services and bilateral contracts through profit maximization, competitor analysis, and cost minimization techniques;
- Provides electricity market insights, pricing forecasts, plant generation optimization runs, contract pricing simulations, and data requests to internal stakeholders;
- Coordinates with plant operators and regulatory bodies (market and systems operator) to assist in power grid security and ensure proper plant generation;
- Maintained and streamlined trading business processes by introducing automation and efficient data storage using PowerShell, VB for Applications, and SQL;
- Created data pipelines and managed version control using Talend Data Studio and Management Console to execute integrations with other internal and external databases;
- Conducted preventive and reactionary troubleshooting and debugging tasks on existing data pipelines and automations; and
- Mentored and led junior data engineers to familiarize with the existing business processes and tools required to perform their job

2016 JAN to 2017 APR   DEPARTMENT OF ENERGY, Science Research Specialist I

- Established and developed a database in support to the department's mandate on policy formulation;
- Formulated a way to utilize unstructured raw data from the electricity market operator into management reports; and
- Created a database for WESM data that uses SQL queries to retrieve data and reports requested by other teams.

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Licenses and Certifications

- o Philippine Regulation Commission (PRC) Registered Electrical Engineer
- o English proficiency: IELTS Academic (Overall Band Score: 8.0)
- o Courses on Python and IT Skills through Coursera

Education History

2022 to present	**SCHOOL OF SOFTWARE DESIGN AND DATA SCIENCE**
	SENECA COLLEGE, NEWNHAM CAMPUS
	Diploma in Computer Programming (Target completion: January 2024)

2008 to 2014	**COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY (CEAT)**
	UNIVERSITY OF THE PHILIPPINES, LOS BAÑOS CAMPUS
	Bachelor of Science in Electrical Engineering

- Major in Electronics Engineering
- Evaluated by World Education Services (WES) as a 4-year bachelor's degree in Canadian Equivalency
- Undergraduate Thesis: Design and Fabrication of an Aqueous Arduino-Based Low-Cost PH Meter for a Microhydro Plant

Skills

- Proficient in the following computer software:
  - o Forecasting: PLEXOS and ABB Nostradamus
  - o Microsoft Office: Excel, Powerpoint, Word, and Publisher
  - o Teleconferencing: Zoom, Google Meet, Cisco Webex
  - o Electronics Simulation: Multisim and Logisim
  - o Arduino
  - o AutoCAD
  - o Talend Data Studio and Talend Management Console
- Knowledgeable in the following data tools:
  - o Data Warehousing: Snowflake and Google Big Query
  - o Data Visualization and Analytics: Power BI, TIBCO Spotfire and Tableau
  - o Project Management: Smartsheet and Trello
- Experienced in the following languages:
  - o Linux/Unix Bash
  - o Python
  - o Windows Powershell and VB for Applications
  - o SQL
  - o C and Java
- Proficient in oral and written communications both in English and Filipino
- Trained for Scrum Master 1
- Skilled in engineering drafting and drawings
- Experienced driver for more than 10 years