

CURRICULUM VITAE



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EDUCATION

2018 BS, Chemical Engineering, De La Salle University, Manila, Philippines

PROFESSIONAL EXPERIENCE/ACHIEVEMENTS

10/2024 - now **WAI Environmental Solutions AS**

Lead Project Engineer

- Conducts technical and commercial evaluation of utility package plants for internal projects
- Develop project plans and schedules for project execution
- Supports R&D department and takes part in assigned tasks to develop detailed design specifications and calculations required for construction and integration to industrial scale

7/2023 - 10/2024 **Deloitte**

Assistant Manager – Risk Advisory

- Validates and tests business processes and controls against Deloitte’s SMA taxonomy, presenting report findings to stakeholders and chief executives. e.g., Led internal audits and business process review in the technology, education and healthcare industries focusing on the Procure-to-Pay processes of warehouse, purchasing and accounting departments.
- Drives executive decision-making by deriving quantitative risk mitigation models and business operations review. e.g., Linear modelling and scenario analyses of operational risks for five (5) leading Philippine clients across the airline, food manufacturing, petrochemicals, and real estate industries.
- Leads a team and collaborates with internal and external stakeholders to deliver on-time risk assessment reports and business process review findings. e.g., Developed IFRS compliant disclosure reports for the largest Japanese paint company, luxury German vehicle company and a local conglomerate.

- Conducts energy audit inspection of client's industrial structures and facilities.
- Spearheads cost-effective technical and commercial proposals in the field of operational improvements and energy efficiency.

10/2018 – 7/2023 Petron Corporation – Petron Bataan Refinery

Process Engineer

- Conducts operational planning and review to provide safe strategies on refinery process unit during shutdown, turnaround and commissioning. e.g., Incurred realized savings of PHP 5.7 million per day by pioneering the decommissioning of Refinery Flare system, a first in Petron Bataan Refinery Phase II, with the use of hydraulics, flare load calculations, engineering software and acceptable refinery standards.
- Drives ongoing process optimization studies to economically reduce business OPEX. e.g., Developed new Desalination unit chemical cleaning guidelines and optimization of Desalination unit chemical injection, which incurred realized savings of PHP 3.12 million & provided technical and economical evaluations of alternative chemicals for Wastewater Treatment Plant and Thermal Desalination unit.
- Coordinates with multidisciplinary refinery roles and implements different refinery business developments up until its execution. e.g., Incurred realized savings of PHP 2 million per month by spearheading the recommissioning of Hypochlorite Generation Package.

10/2018 – 7/2023 Cemex – Solid Cement Corporation

Quality Assurance Intern

- Trained as a physical and chemical analyst for routine cement and fuel samples. Prepared testing modules and executed laboratory tests such as fineness, setting time, loss on ignition and sulfur analysis.

LANGUAGES

- English – full proficiency in speaking, reading, writing and listening
- Tagalog/Filipino – mother tongue