

## PROFILE

Adaptive Mechanical Engineer with over ten years of experience helping companies to meet and exceed projected expectations executing detailed piping design. Proven track record to improve sustainability, and configure the best approaches for the most effective production per projects assigned. Committed to working as a collaborative and positive team lead and member, striving to utilize my knowledge and expertise for optimal engineering results.

## EDUCATION

### Rizal Technological University

Bachelor of Science in Mechanical Engineering  
2009 - 2012

### Polytechnic University of the Philippines

Bachelor of Science in Mechanical Engineering  
2007 - 2009

## SKILLS

- Excellent communication skills; Strong interpersonal skills; Proactive and self-motivated
- Team lead and planning per project base
- Checking drawings; Piping layout and design
- Conceptual and detailed design
- Piping material take-off and reports

## COMPUTER SKILLS

- AVEVA PDMS/ E3D
- AutoCAD Plant 3D
- AutoCAD
- OpenPlant 3D/ OBD
- Bentley Microstation
- Navisworks
- Microsoft Office

## LICENSE

- **Registered Mechanical Engineer**  
Philippine Professional Regulation Commission, Manila  
License No.: 0082775

## PROFESSIONAL EXPERIENCE

### Senior Piping Designer

Lycopodium Philippines Pty. Ltd. - Taguig City, Philippines | 2023 - Present

- Developed and implemented a lead generation strategy that increased qualified piping project leads by career and position-based
- Checking isometric and general assembly drawings for design layout and pipeline routings, upstream to downstream and their alignments; assisting for productions as flexibility
- Determined schedule and budget requirements to coordinate efficient work
- Utilized exemplary communication and active listening skills to develop strong rapport with the team, colleagues in other departments, and clients

### Piping Designer

Lycopodium Philippines Pty. Ltd. - Taguig City, Philippines | Aug 2021 - Dec 2023

- Prepares and issues Isometric drawings, piping general arrangement drawings for tender/ review/ information /construction purposes per mining and/or process plants practices
- Performs 3D models of piping and pipe support based on P&ID, conceptual layout, project standards, latest vendor documents/datasheets
- Leads the piping team within 2mos of employment for a chemical process plant project for about a year.

### Piping Area Lead Engineer

JGC Holdings Corp. - Kanagawa, Japan | Jan 2020 - Apr 2020

JGC Philippines, Inc. - Muntinlupa City, Philippines | Jul 2019 - Aug 2021

- Actively coordinating to client's and foreign counterpart's discussions or requests, confirming full understanding before addressing concerns and adhering to the design and co-designers.
- Responsible for checking and monitoring of model quality and design inputs with regards to LNG project standards and latest available documents and specifications.
- Implement, prepare, and check project technical instructions, 3D models, and design inputs mainly for underground piping and tie-in with other contractors and/or existing facilities of oil and gas plants
- Prepares conceptual layout for 3D modeling provided to designers
- Monitor and control status reports of design inputs, design changes, and action lists.
- Direct coordination with other area team leads for project alignments

### Piping Design Engineer

JGC Philippines, Inc. - Muntinlupa City, Philippines | Jan 2014 - Jul 2019

- Prepares 2D and 3D drawings per oil & gas standard practices and/or client preferences.
- Prepares and issues Isometric drawings, Piping Plan Drawing, Piping Information and general assembly drawings for construction purposes
- Performs 3D models of piping, pipe support, equipment and structures based on P&ID, conceptual layout, plot plan, project standards, latest vendor documents/datasheets and stress calculations
- Sketches line layout which are based on P&ID, plot plan, conceptual layout, and other available documents for manual material take-off of bulk and special items

### Material Handling Engineer

JGC Philippines, Inc. - Muntinlupa City, Philippines | Jan - Oct 2018

- Prepares, processes, monitors and reviews material data manually and extracted from the 3D model for piping material take-off in raw, net, design allowance, construction allowance, surplus, and purchased quantities.
- Generates and handles Bill of Material and Bill of Quantity required reports for purchased orders of piping materials.