**Professional Experience**

Nestle Vietnam - DOng NAI FACTORY (F&B Industry) Vietnam

*Electrical & Automation Manager –* 6/2019 - Present

* CAPEX project management for Electrical and Automation for new production line from end-to-end (engineering, procurement, construction, installation, commissioning)
* Engineering lead for all Electrical and Automation system

*Instrument & Automation Supervisor* – 3/2017 – 6/2019

* Supervise all maintenance activities related to Automation system
* Lead and develop technical expertise for Electrical and Automation group
* Troubleshooting and incident investigation for corrective and preventive actions
* AB Rockwell control system programming and configuration (PLC, HMI, VFD and Servo)
* Spare part development and management
* Maintenance strategy development for electrical and automation
* Engineering design, construction, installation, commissioning (IQ, OQ ,PQ) and handover for operational improvement projects
* Engineering design, modification, conducting trial and qualifications for new products / process development projects.
* Consultation work (budget, resource planning, engineering documentation and review, FAT, SAT, commissioning methodology) for CAPEX projects for Automation system solution and architecture, Explosive Atmosphere, electrical and automation specifications.

***Core qualifications:***

* Technical leadership for electrical, instrument and automation for the plant.

• Good understanding of maintenance foundation and strategy

• Deep insight, understand, nurture and develop technical talents

* Understanding of manufacturing requirements and change management process

Marine Engineering Services Pte Ltd - Nautic AWT (Oil and Gas industry) Singapore

*Electrical Instrument Engineer* – 8/2012 – 3/2017

• Engineering for Electrical Instrument discipline throughout multiple phases: Feasibility study, Front-End Engineering Design (FEED), Detailed Engineering and Procurement support for Oil and Gas Industry.

* Lead designer in detailed engineering for installation and construction.
* Prepared and submitted of technical data, specifications, reports and drawings for various scopes as per clients’ project requirement.
* Prepared cost estimate, budget and resources requirement for both internal project engineering bidding and client project procurement

• Ensure timely completion of work in coordination with relevant discipline engineering

• Participate in evaluating technical bids and reviewing vendor data.

• Performed all design reviews for team consideration in regular meeting

• Contributed to development processes via interdepartmental monitoring

* Back-up engineer for Process discipline

***Core qualifications:***

• Strong experience in all areas of instrumentation and control engineering.

• Superior knowledge of applicable instrument and control designs.

• Excellent ability to review engineering documents and perform risk management accordingly

• Outstanding skills in working with various safety and control systems

Institute of MicroElectronics (IME) (R&D industry) Singapore

*Engineering Intern* – 2011

• Conducted reliability studies and failure analyses on a microelectronic structure.

• Integrated various fabrication processes for prototyping a micro-electro mechanical system (MEMS).

Institute of Medicinal Material (R&D industry) Hanoi, Vietnam

*Research Intern* – 2009

• Prepared, extracted, and analyzed medicinal material from traditional medicine sources.

• Conducted research and testing of synthesization processes for Anastrozole, a breast cancer drug.



**Educational Background**

National University of Singapore Singapore

*Bachelor of Engineering, Hons (Chemical)* – 2008 – 2012

• NUS Innovation and Research Award, Merit Award – 2011

• Taiwan Chem-E-Car Competition (Asia-Pacific Congress of Chemical and process Engineering): First Prize in Poster and Most Innovative Engine System Award – 2010

• NUS Innovation Program: Merit award for project ‘iLUN’ (Laptop security device) – 2009

• NUS Innovation and Entrepreneurship Practicum Grant ($10,000) for development of new porous airlift baffle photobioreactor system for microalgae production.

• NUS UROP for Thermodynamic Concept in Data Analysis and Product design.

