



Lam Van Phong

DIGITAL ASSET MANAGEMENT · RELIABILITY & PREDICTIVE MAINTENANCE

IBM Maximo MAS · CMMS · EAM / APM · Reliability Data Engineering

CONTACT

- HCMC, Vietnam · Bangkok, Thailand
- phonglv92th@gmail.com
- +84 911 121 486
- linkedin.com/in/phonglv
- lamphong.info

CORE EXPERTISE

- Digital Asset Management (EAM / APM)
- IBM Maximo MAS / CMMS
- Predictive & Condition-Based Maintenance
- Reliability Engineering (RCM, FMEA, RCA)
- Maintenance KPIs (MTBF, MTTR)
- ELT Data Pipelines (Python, VBA, JS)
- BI Dashboards (Power BI, BIRT, Looker)
- SCADA Integration · ISO 55001
- Primavera P6 · Altair IoT Studio

CERTIFICATIONS

Apptio Cloudability Technical Sales — Intermediate

Cloudability Sales Foundation

Microsoft Data Analysis

IELTS 6.0

LANGUAGES

English Full Professional

Thai Professional Working

Chinese Limited Working

PROFILE

Mechanical Engineer and reliability-focused data engineer with **9+ years** across oil & gas, petrochemical, power generation and renewable energy. I specialize in **Digital Asset Management**, CMMS (IBM Maximo MAS) and data-driven reliability strategies — building predictive-maintenance programs and KPI analytics that cut downtime and optimize maintenance lifecycle cost. Currently advising enterprise clients on EAM/APM solutions as a Senior Presales Consultant.

EXPERIENCE

Senior Presales Consultant

Jan 2026 – Present

Avenue JSC · Ho Chi Minh City, Vietnam

- Advise enterprise clients on EAM, APM, ECM, WMS and ERP solutions, mapping operational challenges to digital-transformation roadmaps.
- Build demo environments, technical solution documents, RFx responses, proposals and contract SOWs across the full pre-sales cycle.
- Partner with Sales & Marketing on new offerings and go-to-market materials; maintain product technical-enablement certifications.

Business & Data Solutions Consultant

Aug 2025 – Nov 2025

Blueberry Energy Vietnam · Bangkok, Thailand

- Ran feasibility studies for solar PV and battery-storage projects — from structural assessment to energy-yield forecasting.
- Built Power BI / Looker dashboards and no-CAPEX financial models (PPA, OPEX-only) to visualize performance, savings and ROI.

Central Engineer

May 2025 – Aug 2025

Star Petroleum Refining (SPRC) · Rayong, Thailand

- Central technical contact across refinery units, leading cross-functional troubleshooting and engineering investigations.
- Supported process optimization, equipment reliability and energy efficiency; provided input for turnarounds and capital projects.

Data Engineer — ELT & Big Data Analytics

Jan 2023 – Jan 2026

Bahwan CyberTek · Remote — Taipei, Taiwan

- Designed ELT pipelines (Python, VBA, JavaScript, P6 scripting) processing maintenance & inventory data integrated with IBM Maximo for Fortune 500 clients.
- Automated workflows and KPI dashboards, reducing processing time and boosting analytics for global clients.
- Upgraded CMMS data architectures and trained remote teams to ensure seamless system adoption.

Nghi Son Refinery & Petrochemical (NSRP)

Apr 2022 – Mar 2025

Thanh Hoa, Vietnam

Data Engineer

Apr 2024 – Mar 2025

- Built and automated data pipelines for CMMS (Maximo) maintenance data; delivered O&M KPI reporting and dashboards.
- Drove data-driven optimization of reliability & maintenance with cross-functional maintenance and operations teams.

Reliability Engineer

Apr 2023 – Apr 2024

- Analyzed maintenance records for failure trends and root causes; implemented RCM strategies for preventive & predictive schedules.
- Built MTBF / MTTR and cost KPIs; ran FMEA/RCA and condition-based monitoring; visualized metrics in Maximo / Primavera P6.
- Maintained asset hierarchy and failure codes in CMMS to enhance equipment lifecycle management.

QA/QC Data Engineer

Apr 2022 – Apr 2023

- Developed and upgraded CMMS asset-register structure; streamlined Maximo for better data management and reporting.
- Built master KPIs / MOB, procurement-monitoring reports and a PM-deferral process in Maximo.

CMMS Administrator

Apr 2020 – Apr 2021

Nghi Son 2 Thermal Power Plant (1,200 MW) · Thanh Hoa, Vietnam

- Administered IBM Maximo CMMS — Asset, Work Order, PM, Inventory & Procurement — for a coal-fired plant; built PM schedules for boilers, turbines and generators from OEM manuals.
- Created BIRT reports and Jython automation for KPI tracking (MTBF, MTTR, PM compliance); integrated Maximo with SCADA for real-time condition monitoring.
- Managed DEV–TEST–PROD upgrades, IT/OT security groups and change control; trained 100+ personnel; aligned CMMS to ISO 55001.
- **Reduced unplanned downtime by 20%** via optimized PM workflows; implemented condition-based maintenance for key rotating equipment.

Mechanical Engineer

Feb 2020 – Apr 2021

Long Son Petrochemicals (LSP) · Ba Ria-Vung Tau, Vietnam

- Led P&ID line checking across utility & process systems (boiler, water treatment, fuel gas, flare, DRUPS, EDG, steam-turbine generator); prepared pre-commissioning documentation and punch-list clearance.
- Reviewed 3D models against P&IDs and ran site surveys to confirm commissioning readiness.

Project Engineer

Oct 2017 – Dec 2019

CR3 · Vietnam

- Managed catalyst transport, loading/unloading and reactor revamps for refinery turnarounds under inert and normal atmosphere.
- Prepared work permits, JSA/SWMS and MSDS; coordinated CMMS development for maintenance planning and reliability analysis.

JGCS Consortium · Piping & Handover

Jun 2014 – Feb 2018

Nghi Son, Thanh Hoa, Vietnam

Handover / Field Engineer

Feb 2016 – Feb 2018

- Ran system walkdowns and handover documentation; coordinated punch-list closure and P&ID markups across disciplines.

Spool-gen Coordinator – Piping

Jun 2014 – Jul 2017

- Controlled piping drawings and revisions for Zone 1; updated CAD spool / ISO drawings (Spool-gen).

Test Package Coordinator – Piping

Jul 2015 – Feb 2016

- Compiled hydrotest / visual test packages and tracked status across contractors, QC teams, engineers and the employer.

EDUCATION**B.Eng., Mechanical Engineering**

2010 – 2014

Ho Chi Minh City University of Technology

Computer Science

2010 – 2012

Saigon Information Technology College