Sumana Bhlapibul

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Summary

Over 20 years experience in petroleum business from design and engineering, material management, refinery operations, Hydrocarbon management, Hydrocarbon supply chain management, business process analysis and redesign, project management, Information Management, IT plan and various business improvement projects.

- I have been working in international organization for more than 30 years, I have developed many skill set to communicate with people from diverse culture and languages
- People says that I am vibrant, trustworthy, highly motivate and a result oriented person.
- Years of experience with many IT tools e.g.. Data Science – R, Python, Power BI, Drawing – MS Visio | Database – MS Access, SQL Server, MySQL, Oracle | Reporting Tool – Business Object | Data Historian – Exaquantum, PI | Development – VB.Net, VBA, C#, PHP | Document Management System – Livelink, SharePoint, GitHub and of course MS excel, MS word, MS power point and MS project.

#Education

B.Eng (Chemical Engineering), 1983
Chulalongkorn University, Bangkok, Thailand.

MBA (International Business and Industrial Development), 1990
University of Ulster, Northern Ireland, UK.

MCIPS (Corporate Member - Charter Institute of Purchasing and Supply), 1995
Charter Institute of Purchasing and Supply, UK

PRINCE2 (Project Management Foundation), 2004

.Net Web Development Certified Professional, 2005

PRINCE2 (Project Management Practitioner), 2006

Microsoft Professional Program : Data Science, AI, Big Data, IoT, DevOps, 2018-2019

IBM Data Science, 2019

Experience

October 1, 2018 to December 31, 2022
IT Lead & Data Science Coach
The Do Good Only Company BV

- Learn and stay up to date with cloud technologies e.g. AZURE, AWS, IBM Watson.
- Learn and stay up to date with development in data science e.g. Python, R, AI, Machine Learning, big data, IoT, DevOps, Power BI, Tableau, GitHub
- Develop, administer, supervise and conduct training program of Data Science with Python for non-technical people.
- Recommend and build IT Tools to support business analysis and decision making that fits for purpose for clients.
- Develop cases include solution to solve business problems with Python, SQL, Excel, Power BI, PHP, HTML/CSS/JS.

April 1, 2018 to September 30, 2014
Data Science - Microsoft Professional Program

- Learn and practiced data science skills i.e. Azure, Machine Learning, Python, R, T-SQL, Power BI
- Evaluated Johan Cruijff Arena data and recommended a crowd congestion warning system.

March 1, 2014 to March 31, 2018
Independent Study and Adventure Travel
I took a break from work and enjoyed my time with regular health improvement activities e.g. walk, yoga, horse riding, gardening in my own allotment, solve puzzles, home improvements projects, reading, travelling, wildlife and landscape photograph. I made movies from the photos and video´s I took.

March 7, 2011 to March 7, 2014
Business Process and IT Manager
Gate terminal B.V.

- Define, lead and deliver IT projects
- Custodian of the Gate LNG business process applications and initiate business process improvements.
- Manage, guard and execute efficient and effective daily and long term continuity of the business process and industrial / office IT environment.
- Contract management with all IT vendors, manage outsourced relationships
- Management of Change, implement changes, responsible for time, budget and quality management.
- Manage SOA - Services Oriented Architecture . IT components comprise Energy Component, Exaquantum, Biztalk, SQL Server, Business Object,
- Define and build reports using Business Object, Excel VBA, MS Access, Sharepoint.

June 1 , 2006   To June 12, 2010
Senior Supply Chain Consultant
Employing company : Shell Global Solutions International B.V.

- Team Lead - Shell EP SAP-Primavera (Maintenance System) Interface Tool Review
- Team Member - Shell EP Primavera global roll out approach
- Thailand PTT AR - RPS (Planning and Scheduling) Implementation Project
    - Project Management and IT Support
    - ORION UserCalc Development
    - ORION DB Migration
- Deliver PEARL GTL Redundancy Assessment
- Deliver Planning and Scheduling Data Integration Functional Requirements (1st Draft) for PEARL
- Deliver (part) SEE Planning Business Process and Data Flow Model
- Deliver SEE Optimization business process
- Developed new or modified existing GSE ORION addons softwares to fit 3rd Party environment i.e. PTT AR, NIS, TUPRAS
    - Web Base ORION Report Generator (ASP.NET) - new
    - Web Base ORION ASSAY Generator (ASP.NET) - new
    - Assay Manager 1.3 - modify
- Design RIL GeCOS Database Extension
- Set up application testing environment for 3rd Party projects on ORACLE 10g, SQL Server 2000 and SQL Server 2005

- TUPRAS – IZMIR Implementation Project
  - Deploy ORION application database on SQL Server 2005 and data migration from Access 2003,
  - Troubleshoot interface problem
  - Develop VBR diluent logic automation (Usercalc)
- PETROTEL & ROMPETROL – Hydrocarbon Losses Review & Workshop
- Deliver PEARL – VOC emission position paper
- Deliver Data Integration and ODS session for M118 course.
- Lead Focal Point Record Management and Knowledge Management

June 1, 2001 to May 31, 2006
Shell Global Solutions International B.V.
Supply Chain Planning and Scheduling Consultant

IMPRESS   = SGSi   *Refinery Scheduling Application*
GECOS   = SGSi   *Crude Oil Scheduling Application*

Project Information Management and Project Management - OMSK refinery, Russia

- Provided framework and support which resulted in successfully development and deployment of project information management system

- Worked with Shell Program Manager and team to embrace the use and application of the Project Information Management System

- Provided Product Base Planning coaching which is not a familiar concept to the project team. The technique creates the mindset to focus on deliverable and the quality of the deliverable.
- Project quality Assurance.
- Deliverables Configuration Management

Refinery Hydrocarbon Database
- Develop physical Hydrocarbon Database
- Develop Mass Balance Application
- Develop Performance Monitoring Application

Refinery Scheduling
- Japan IMPRESS functional Specification – team member
- PD Malaysia IMPRESS upgrade – IFCCCU model – Implementor
- Thailand IMPRESS upgrade – Sharc 2.6 harmonization and implementation
- MLNG Malaysia IMPRESS migration from Lotus and upgrade to include Tiga Train – Implementation and training

Crude Oil Scheduling
- USA GECOS prototype development
- Pernis Refinery Netherlands GECOS GID upgrade
- Godorf Refinery Germany GECOS GID Upgrade
- RRW Refinery Germany GECOS functional specification development

Master Plan and other study
- Shell Energy Europe – planning business processes study.
- Shell EP Primavera global role out approach
- Shell EP SAP – Primavera Interface Tool Review
- SASREF Saudi Arabia redundancy assessment study
- Novokuibyshevsk Refinery IT Master Plan – Team Leader
- OMSK Technical Audit – Business Processes and Applications Review
- Achinsk Refinery IT Master Plan – Team Leader
- RIL India – midstream data integration
- GeCOS – DGS link prototype development

- Program Data and Information Management - OMSK Improvement – Team Leader

Data and Information Management
- Establish Project Information Management – OMSK Improvement Implementation Program 2005-2007
- Sibneft– OMSK Improvement Implementation Program Project Deliverable Configuration Management 2005-2006
- Data Integration GeCOS-DGS for RIL 2005

Business Processes Modelling
- Shell Energy Europe - Planning Business Processes and Data Flow Model 2007
- Shell Energy Europe - Risk Management Business Processes Model 2007

Others
- Refinery Vertical Integration - custodian
- Performance Monitoring – custodian
- Supply Chain Data Integration – custodian

August 1, 1999 to May 31, 2001
Alliance Refining Company Limited
An SPRC/RRC operating Alliance

May 15, 2000 to May 31,2001
Job Title: Lead Process Engineer
Oil Movements, Utilities and Effluent treatment

- On top of the responsibility of Oil Movements area, the responsibility has been extended to cover utilities and Effluent treatment plant.
- Act as mentor for Process Engineers in the areas.

Aug 1, 1999 to May 14, 2000
Job Title: Senior Process Engineer
Oil Movements
Department: Technical Services Department

- Provided technological support and advice in relation to oil movements facilities, computerised control system, blending, tanks, water front, jetties, road and rail loading facilities, export pipeline, Vapour Recovery Unit, refinery reconciliation system, refineries mass balance
- Prepared project definition and oversaw project development to maximise utilisation of the oil movements and dispatching facilities after operating alliance of the 2 refineries i.e. Rayong Refinery Company Limited and Star Petroleum Refining Company Limited.
- Validated Reconciliation system and recommended improvement regarding automate data capture and transfer.
- In house instructor for "Oil Refining Processes"
- Leader of Refinery Mass Loss Validation Team

May 2, 1993 to July 31,1999
Rayong Refinery Company Limited

Jan 16, 1998 to July 31,1999
Head Oil Movement

- On top of the responsibility as a technologist, the scope was extended to supervisory role that is accountable for the development and performance appraisal of technologist staff.

June 1, 1997 to Jan 15, 1998
Oil Movement technologist

- Provide technological support and advice in relation to oil movements facilities, computerised control system, blending , tanks, water front, jetties, road and rail loading facilities, export pipeline and Vapour Recovery Unit
- Developed computerised product blending monitoring system
- Developed computerised product qualities monitoring system
- Conducted "Inventory Management" course for Petroleum Institute of Thailand which drew participants from petroleum and petrochemical industries in Thailand

July 4,1995 to May 30, 1997
Procurement and Contracts Supervisor
Rayong Refinery Company Limited

- Direct Charge Procurement
- Set up and maintained Contract Strategy and Management System.
- Developed computerised contract management system
- Developed standard terms and conditions for Purchase of Goods and Supply of Services Contract
- Successfully secured bulk chemical supply necessary for refinery start up

January 5,1994 to June 31, 1995
International Procurement Office
Shell International Petroleum Maatschappij B.V.

- Buyer - Plant and Marketing Equipment procurement
- Operational Support - Electronic Material Administration System
- Contract management - European Retail Visual Identity (RVI) Project

May 2, 1993 to December 31,1993
Project materials Co-ordinator
Design, Engineering and Procurement Task Force
Rayong Refinery Company Limited

- Materials and Equipment procurement analysis and cost control

November 2,1992 to April 30,1993
Senior Project Engineer
4th and 5th Refinery Project
Petroleum Authority of Thailand

4th refinery – Rayong Refinery Company Limited

- Participated in Commercial proposal evaluation ; qualification proposal EPC Contract conducted in The Hague, Netherlands
- Participated in +/-10% capital cost estimation conducted in The Hague, Netherlands
- Reviewed Construction Service Agreement, Operation Service Agreement and License Agreement

- Preliminary Information Memorandum financial model analysis

5th refinery – Star Petroleum Refining Company Limited

- Reviewed and negotiated Project Management Service Agreement
- Preliminary Information Memorandum financial model analysis

OTHER
August 1,1991 to September 30,1992
Senior Project Analyst,
Sichang Siam Solvent Co.,Ltd and
Sichang Thong Terminal Ltd.

- Conducted a market research for petroleum and petrochemical products in the domestic and the international market to be incorporated in the Information Memorandum of the Condensate Splitter project.
- Recommended prices setting mechanism for products produced both domestically and internationally basis.
- Advised the technical team in fine tuning the engineering design specification.
- Co-ordinate with the financial advisor in the feasibility study of the project.
- Conducted scheme and study on procuring, re-conditioned and relocation of a mothballed refinery and second hand equipment items.
- Develop and secure feedstock supply sources/contract for the Project.

June 16, 1991 to October 31, 1992
Consultant,
Petroleum Institute of Thailand

- Conducted a study , on behalf of the government, the value added of petrochemicals products produced and to-be-produced in Thailand on production cost and financial burden basis and impact to the industry due to reduction of import duties.
- Planned and implemented "Plastics Education" scheme
- Recommended and supervised utilization of software applications

September 11,1990 to June 15,1991
Manager,
Feedstock Procurement
Thai Petrochemical Industry Ltd., Bangkok, Thailand

- Procured Ethylene, Propylene, Styrene, Butadiene and Acrylonitrile for petrochemical plant and raw material for cement plant including coal for power generation units
- Co-ordinated and implemented contractual obligations of ethylene supply for National Petrochemical Company (NPC).
- Review Thai Olefins Co.,Ltd. 's Olefins Offtake Agreement.

February 1 to May 31,1990
Consultant
Elders Resources NZFP Limited, Bangkok, Thailand
as part fulfilment the MBA in International Business

- Identified potential business ventures in Petroleum and petrochemical business in Thailand
- Highlight the framework of business practice in Thailand
- Recommended entry strategies into Thailand Petroleum and Petrochemical market.

June 19 to September 22,1989
Consultant,
International Petroleum Exchange of London, England

- Market research and analysis oil futures market ; sour crude oil contract.

April 1 to December 31,1988
Acting Chief of Logistics Planning,
Logistics Operation Department,
Petroleum Authority of Thailand, Bangkok, Thailand

- Planned, measured, evaluated domestic petroleum products market,
- Procured and supplied fuel oil to Electricity Generation Authority of Thailand.
- Analysed and recommended government pricing policies.
- Computerised in-house information and system analysis.

May 15,1983 to March 31,1988
Chemical Engineer,
Petroleum Procurement and Contract Department
Petroleum Authority of Thailand, Bangkok, Thailand

- Established price for the Gulf of Thailand Crude (Nang Nuan crude).
- Negotiator for domestic crude oil pricing.
- Created, documented, implemented contractual obligations for the People Republic of China.
- Communicated with oil traders and international oil firms in Asia-Pacific region.

Competencies	**Business Skills:**

- IT Management
- IT Consultancy
- Application Development
- Financial Control
- Staff Leadership
- Project Management – PRINCE2 methodology
- Business Analysis
- fluent in Thai language
- fluent in English
- Moderate German, Zertifikat Deutsch als Fremde Sprache
- Moderate French
- experienced PC computer user/application developer
- qualified ISO 9000 internal audit (AJA EQS)
- qualified instructor for Quality and Customer Focus (Stratagem)
- .Net Web Development Certified Professional (Learning Tree International)

Technical Summary:
Various IT databases and development

Training & development
Attended a range of technical and development courses

Languages Spoken:
- Thai
- English
- Dutch

| Interests and Hobbies |
- Horse riding
- Gardening
- Travelling
- Reading

IT – Applications & Development Tools
- Excel, Word , Power Point
- Drawing - MS Visio
- Database - MS Access, SQL Server. Oracle
- Reporting Tool - Business Object, Power BI, Tableau
- Data Historian - Exaquantum
- Development - VB.Net, VBA
- Document Management System - Livelink, Sharepoint, GitHub
- Programming language – python, R, C#, PHP
- Web Application – Wordpress, HTM/CSS/JS, Blazor

Training Record

- Advanced Purchasing Skills
- Knowledge of Materials and Equipment used in Oil and Gas
- Procurement Business Technique
- Business Control
- Oil Refining
- Oil Movements
- Presentation Technique
- Managing People
- Product Qualities
- Process Safety Management
- Far East Product Quality Management Workshop
- Problem Solving and Decision Making
- Negotiation Skill
- Corrosion of Metal
- Water Treatment
- Distillation
- Process Control & Instrument
- Instrument Protective Function
- Safety in Process Design
- Pro II Simulation Program
- Coaching Technique
- Refinery Economics
- Field Master Class
- IT Strategy and Planning
- Sale Master Class
- Core Skills Training
- Hydrocarbon Upgrading and Economics
- Visual Basic.Net
- Facilitation Skills
- Enterprise web development & ASP.net
- Building XML Web Services with .Net
- International Trading and Risk Management
- Intermediate ASPEN PIMS

- Experience Hire Recruitment Training
- PIMS PlanStar Training
- Data Science
- Data Analytics