Alfonso R. Reyes

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EDUCATION

UNIVERSITY OF ENGINEERING
National University of Engineering
B.SC. PETROLEUM ENGINEERING
1990 | Lima, Peru

LINKS

LinkedIn:// **alfonsorreyes**

SKILLS

PRODUCTION
• Scripting & Data Science
• Petex OpenServer • Nodal Analysis
• Well Network Modeling • GAP
• Production Optimization • Prosper

RESERVOIR
• Computational Statistics
• Simulation • Eclipse • MBAL
• SINTEF Matlab simulator

COMPLETION
• Unconventional & Deepwater
• Intelligent completions, Smart Wells
• Subsurface Safety Systems

SURVEILLANCE
• Well Monitoring & Control
• Integrated Operations (IO)

OFFSHORE
• Subsea Operations • SIT • FAT
• Topsides Integration

ENGINEERING TOOLBOX
• Prosper • WinGLUE • OFM
• SubPUMP • PERFORM • PipeSim
• PI • WellView • GAP • OpenServer

DATA SCIENCE
• R • Shiny • Machine Learning
• Microsoft & Oracle SQL
• Python • Fortran • Matlab • Java
• Linux • osX • Docker • Virtualization
• Author • R packages developer

OTHER

LANGUAGES
• English • Spanish • Portuguese

WORK STATUS
• Available immediately
• Citizen of the United States

EXPERIENCE

Oil Gains Analytics | CHIEF DATA SCIENTIST
Sep. 2016 - Present | Houston, Texas
Implementation of data science solutions in petroleum engineering, well testing, production, frac optimization, completion and reservoir evaluations. Development.

AppSmiths | GAS LIFT ENGINEER / SOFTWARE ANALYST
May. 2016 - Aug. 2016 | Houston, Texas
Engineering lead for the development of gas lift software: software testing, creation of unit tests, data analysis, algorithms and equations verification, gas lift models.

Petronas | WELL AND NETWORK MODELING TEAM LEADER
Apr. 2013 - Apr. 2016 | Kuala Lumpur, Malaysia
Team Lead and network modeling expert for Petronas domestic and international. Developed modeling solutions and network modeling guideline based on adding extra oil gains of 2,700 bopd per year (10%) by applying statistics and data science.

IHS | SR. TECHNICAL ADVISOR
Feb. 2011 – Apr. 2013 | Houston, Texas
Team Lead of Latin America task force to re-introduce production optimization applications in independent and national oil companies. Developed, presented practical solutions and field cases in several industry conferences.

Optimization Petroleum Technologies | SR. APPLICATIONS ENGINEER
Jan. 2010 – Jan. 2011 | Houston, Texas
Lead Engineer for field studies, reservoir evaluation, well economics and production optimization for US operators using nodal analysis, reservoir simulation, decline curve analysis software.

TheSmartfield.com | PRINCIPAL ENGINEER / OWNER
Dec. 2008 – Dec. 2009 | Houston, Texas
Startup leader for the implementation of an on-line computational simulation system for production optimization using well and reservoir surveillance data.

Shell E&P Unconventional Resources | SR. PRODUCTION ENGINEER
Apr. 2006 – Nov. 2008 | Houston, Texas
Team Lead of well and reservoir surveillance for Heavy Oil Sands and Oil Shale projects in Canada and Colorado. Subject Matter Expert for intelligent completions.

WellDynamics Inc. SMARTWELLS ENGINEER / PROJECT MANAGER
Feb. 2001 – Feb. 2006 | Houston, TX
Managed installation and commissioning of subsea smart well completions developing procedures, specifications, execution plan and well reviews.

TRAINING

Year	Location	Topic
2017	United States	Data Science, Machine Learning, Deep Learning
2015	Malaysia	Gas Lift Design with WinGLUE
2014	Malaysia	Advanced Production Analysis with PipeSim
2011	Houston, TX	PERFORM, SubPUMP, PipeSoft
2009	Rijswick, Holland	Applied Production Technology, Shell P267
2009	Rijswick, Holland	Well and Reservoir Surveillance
2008	Houston, TX	Artificial Lift

SOCIETIES

Since 1991	USA	SPE, Society of Petroleum Engineers