

Robert Johnson

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Skills

Experience in project management, production field operations, operations management, lab research, analytical chemical and biological methods, hydraulic fracturing, CAD software. Proficient in Microsoft Office suite, Aspen, Python & MATLAB scripting. Strong communication and team organizational abilities. Personable, strong analytical problem solving skills, self starter and rapidly adaptable to various work environments. PMP eligible. Experience working to standards such as ASME B31.3, ASME B31.4, ASME B31.8, ASME BPV Section VIII-1, API 510, API 520, API 521, API 526, API 570, API 653, NACE TM0106-2016, SM-4500.

Experience

Genesis Medical Diagnostics, Houston, TX

Operations Project Manager, January 2021 - Present

- Managed operational projects for all Texas branches of GMD and managed CAPEX projects of up to \$500K. Performed economic evaluation for all proposed CAPEX projects and presented to leadership.
- Managed 20 employees with 4 direct reports in 4 separate cities across Texas; scheduling, payroll, IT, and inventory related to lab operations.
- Managed the opening of 5 branch locations to facilitate in person COVID-19 testing during the pandemic
- Provided technical expertise for lab safety and testing technology implementation
- Special projects include partnership with Houston Precinct 2 and Tomagwa Healthcare Ministries to provide testing for low income Houston area residents.

OSP Microcheck, Houston, TX

Engineering Consultant - US Lead Technologist, November 2018 – August 2020

- Managed US lab servicing NM, TX, LA conducting sampling and biological testing of oilfield process fluids. Led client failure analyses and troubleshooting to address corrosion and souring issues related to microbial activity. Used NACE Standard TM0106-2016 when assessing MIC in pipelines.
- Provided subject matter expert training to Chevron, Oxy, and other operators on oilfield microbial theory.
- Gained experience with molecular microbiological methods, for quantification and speciation of oilfield water samples via qPCR and NGS methods.

True Chemical Solutions, Midland, TX

Technical Service Engineer, April 2017 – October 2018

- Managed analytical data collection and review from unconventional production wells, both horizontal and vertical. Provided operations support and chemical treatment strategies to operators and well servicing operations in the Permian Basin.
- Designed and managed pilot project to treat sour produced water to remove H₂S to recycle for hydraulic fracturing operations. Presented findings of project at Produced Water Society conference.
- Experience with lift design and corrosion analysis, RCFA, and specialized chemical treatment for rod pump, ESP, and gas lift systems.

Chevron, Richmond, CA

Fuels Technology and Additives Engineering Research Intern, Summer 2014

- Contributed to research to determine underlying cause of the degradation of fuel and fuel additive quality. Third author on paper in *Fuel* journal. Tested fuel and ethanol according to ASTM D4806 & ASTM D6423.
- Gained lab experience using various combinations of gas chromatography and aided in the development and troubleshooting of new fuel analytical methods using GC-Nitrogen Chemiluminescence Detection (GC-NCD).

NASA-TSGC, Houston, TX

Texas Space Grant Consortium Project Team, Fall 2012 – Fall 2013

- Collaborated as a part of a team to design, fabricate, and test a device to allow astronauts on the International Space Station to make customized coffee pouches while maintaining NASA's safety standards.

Education

Rice University, Houston, TX

Graduation May 2016 B.S.Ch.E in Chemical and Biomolecular Engineering

- Chemical engineering courses focused on process simulation, process safety and reaction engineering.

Honors & Awards: William W. Akers Chemical Engineering Design Competition – Winning Team

Publications: Yang, J.S., Johnson, R.D., Golisz, S.R. (2017) Understanding the effect of CO₂ on the pHe of fuel ethanol *Fuel*, 199

References

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True Chemical Solutions, Midland, TX
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