



OMER ELAMIN AHMED

Operations & General Management Personnel

CONTACT

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ACADEMIC QUALIFICATION

Bachelor of Science – Mechanical
Engineering
(Jun 2001 – UAE University, Al-Ain)

Artificial Intelligence & Machine Learning Post
Graduate Program
(July 2020 - February 2021 | University of Texas
at Austin, McCombs Business School)

Digital Business Strategy
(September 2020 | MIT Sloan School of
Management)

MANAGEMENT COMPETENCIES

- Exceptional analytical and troubleshooting skills
- Product development and testing
- Successful product launches for desired objectives
- Ability to manage people and teams
- Capacity to adhere to budgets and timelines
- Organized individual with keen attention for detail
- Excellent interpersonal communication skills
- Ability to work and collaborate with teams
- Capacity to absorb pressure and deliver results
- Result-oriented and planned approach
- Creating insightful reports for decision making
- Making presentations to high profile stakeholders
- Contributing valuable feedback and reviews

ABOUT ME

With 20 years of professional pedigree as a mechanical engineer and extensive experience in technical and operational leadership roles, I am currently employed as a Senior Consultant for Quality Assurance Management for String Dynamics. My innovative and distinct approach has enabled my employers to improve financial and operational efficiencies including Schlumberger.

My experience extends to international regions including UAE, Yemen, Saudi Arabia, and Pakistan. Being a hard working initiative enforcer, I don't only take responsibility but ensure to deliver excellence. A purpose-oriented individual ready to coach and inspire a diverse team to bring huge impact.

PROFESSIONAL EXPERIENCE

Schlumberger – August 2020 | Currently Employed
Senior Consultant – Quality Assurance Management

- After leaving the company, I was specifically rehired as a senior consultant to by Schlumberger Saudi Arabia
- Providing technical and strategic management in thoroughly developing strategies to identify the underlying causes of decline in service quality
- Performing comprehensive failure and root cause analyses to identify and fix the service quality issues confronted by Saudi Aramco
- Strategize, design, and implement service quality control initiatives that ensure complete client satisfaction in the long run

Schlumberger – November 2015 | June 2020
Product Engineering Manager - Bits & Drilling Tools

- Managed the Product Engineering Department for Schlumberger Bits & Drilling Tools ensuring financial and operational efficiency
- Collaborated with HQ engineering, research and development, design and sustainability teams in Houston to successfully develop and launch new products especially designed for Saudi applications
- Led a team to ensure a marked improvement in drilling bits' performance and market share and brought design improvements in drilling tools
- Worked and collaborated with Aramco Drilling Technical Department to conduct trial testing of Schlumberger's new drilling tool technologies
- Made insightful and valuable contributions in design reviews for new products and product development initiatives prior to their release and field testing

CAREER HIGHLIGHTS

- Led the team for redesigning and modification of a range of tools for improved performance and successfully introduced a new variety of products for Aramco Drilling Technical Departments after trial testing for safety and performance
- Collaborated with engineering team in Houston to develop numerous new and innovative technologies and played the role of Field Test Coordinator for new products prior to commercialization)
- Increased the i-Drill projects and support by 95% in 2012 on year-to-year basis through optimized resource consumption
- Supervised a high-profile technical investigation to identify the underlying cause of hole spiraling for Al-Hosn Gas that was approved by the client and led to an extended contract for D&M
- Conducted engineering design, planning and analysis for the first Worldwide Archer475 Rotary Steerable with Rhino Under-reamer for Saudi Aramco that led to success saving time for the client
- My efforts helped "Under-reaming While Drilling Project" win the Bronze Award of "Performed by Schlumberger" in August 2014
- Awarded Hart Energy Meritorious Award for Engineering Innovation for 2016

- Redesigned and modified a range of tools for improved performance and successfully introduced a new variety of products for Aramco Drilling Technical Departments after trial testing for safety and performance
- Successfully redesigned drilling strings and drill bits' cutting structures for performance enhancement and vibration reduction through Finite Element Analysis (FEA) used in drilling dynamics modeling

Schlumberger – October 2014 | November 2015

Senior Drilling Product Engineering Manager (KSA)

Regional Casing Drilling Support Manager (Middle East)

- Received a performance based promotion to the position of Senior Drilling Product Engineering Manager that led to my transfer to KSA
- Carried out comprehensive pre-job planning analyses including hydraulics, jar analysis, torque and drag, and vibrations analysis
- Conducted post job analysis ensuring key performance metrics are achieved and developed product evaluation reports for improved decision making
- Requested and recommended engineering modifications (ECRs) to DT&R product and tools designs based on performance evaluation reports
- Supervised improvement-focused failure analysis and conducted studies to assess the underlying causes of tool failures
- Performed casing and liner drilling technical feasibility analysis along with delivering technical presentations to clients
- Collaborated with Houston Global Casing Drilling Technical and Product Champions to identify potential opportunities in the ME region

Schlumberger – December 2013 | October 2014

DT&R Drilling Product Manager (UAE, Yemen & Pakistan)

Regional Casing Drilling Support Manager (Middle East)

- Managed and provided full time supervision for the entire range of engineering applications of drilling tools and remedial
- Carried out comprehensive pre-job planning analyses including hydraulics, jar analysis, torque and drag, and vibrations analysis
- Conducted post job analysis ensuring key performance metrics are achieved and developed product evaluation reports for improved decision making
- Mentored, trained fresh field engineers as a Field Training Coordinator and provided technical support to i-DRILL engineers during projects
- Approved and prioritized DT&R projects in the Middle East and supervised all i-DRILL Drilling Dynamics FEA projects involving DT&R in the region including PTEC (Petro Technical Center) projects
- Provided required supervision in technical sales and delivered technical presentations to the top clients
- Requested and recommended engineering modifications (ECRs) to DT&R product and tools designs based on performance evaluation reports
- Performed improvement-focused failure analysis and conducted studies to assess the underlying causes of tool failures
- Performed casing and liner drilling technical feasibility analysis along with delivering technical presentations to clients
- Collaborated with Houston Global Casing Drilling Technical and Product Champions to identify potential opportunities in the ME region

Schlumberger – December 2011 | November 2013

Regional Drilling Dynamics Engineering Manager, Middle East

- Supervised all the engineering projects, analyses, and studies related to i-DRILL services in the Middle East
- Managed and supervised teams of all i-DRILL engineers across the Middle East region including D&M, DTR, and Bits

TRAININGS

October 2011 - Abu Dhabi, Schlumberger
Employee Development Courses

June 2011 - Abu Dhabi, Schlumberger
KT Problem Solving and Decision Making

December 2010 - Dubai, Smith/Schlumberger
Business Presentation Skills

June 2010 - Dubai, Smith International
Directional Drilling

April 2010 - Houston, Smith International
i-DRILL Dynamics FEA & Drilling Analysis
IDEAS Dynamic Analysis

November 2008 - Abu Dhabi, Halliburton
NMR Processing and Interpretation

October 2007 - Houston, Halliburton
Formation Testing and PTA

April 2006 - Abu Dhabi, Halliburton
Acoustic Processing and Interpretation

January 2005 - Abu Dhabi, Halliburton
Reservoir Geology

June 2003 - Dubai, Halliburton
Directional Drilling

February 2003 - Dubai, Halliburton
LWD II and LQC for Field Engineers

August 2002 - Dubai, Halliburton
Evaluation Tools

June 2002 - Dubai, Halliburton
LWD I for Field Engineers

January 2002 - Abu Dhabi, Halliburton
H2S, Sea Survival, Firefighting and First Aid

- Managed all regional i-DRILL resources and approved, declined, assigned, and scheduled all the i-DRILL and optimization projects
- Reviewed projects prior to submission and provided technical support to i-DRILL and optimization engineers including PTEC engineers
- Delivered technical and marketing presentations to higher management for improved decision making as well as to the clients
- Conducted high profile analyses and studies to assess the operational and financial viability of strategic projects
- Engendered cross business unit communication and knowledge sharing for enhanced collaboration and promoting team work
- Liaised with the sales team to leverage Dynamics Finite Element Analysis services and used system as required within multi-discipline projects
- Played the role of focal person between regional operations and R&D team stationed in Houston
- Consistently followed up with clients to ensure i-DRILL recommendations are complied with while evaluating the success rate
- Drafted monthly reports for higher management and global i-DRILL team related to i-DRILL, Drilling Dynamics FEA service, support, and pull-through

Smith Intl/Schlumberger – December 2009 | November 2011 Regional i-DRILL FEA Drilling Dynamics Engineer, Middle East

- Successfully performed the duties of a regional drilling optimization engineer to ensure the performance of the tools meets expectations
- Performed drill string dynamics analysis for BHA and parameters optimization for drilling performance enhancement
- Conducted failure and vibrations analyses along directional tendency and CSA to assess the performance
- Collaborated with Engineering Solutions Group to prepare work scopes and maintained a record of all projects to track value for the company

Halliburton – February 2009 | December 2009 Senior Technical Support

- Delivered technical support for all Sperry's operations including Logging While Drilling (LWD) and directional drilling in the Southern Gulf region including UAE, Yemen, and Pakistan
- Provided required petrophysical support with increased precision and performed geo-steering planning and coordination
- Conducted failure analysis to generate reports and delivered field operations support to improve operational efficiency
- Employed the use of new and innovative technologies for technical sales and marketing improving return on investment
- Introduced and tested a diverse range of drilling optimization techniques and vibrations analysis
- Introduced the Sperry LWD to the Yemen market that resulted in the creation of the first LWD jobs for JHOC and Gallo Oil while leading to many requests for commercial proposals for future jobs

Halliburton – June 2005 | February 2009 Petrophysical Applications Engineer

- Worked as a petrophysicist and provided technical support for onshore and offshore oil companies in the Southern Gulf including UAE, Yemen, and Pakistan
- Provided support for daily LWD formation evaluation operations across the Abu Dhabi and Dubai districts defining and maintaining LWD log QC standards, acquisition processing and interpretations
- Acquired comprehensive expertise in MLWD operational aspects related to data acquisition, real-time applications and log quality control

SCHLUMBERGER AWARDS

- September 2015
Performed by Schlumberger (PBS) Bronze Award
- August 2014
Performed by Schlumberger (PBS) Bronze Award

EXTERNAL RECOGNITION

- 2016
Hart Energy Special Meritorious Award for Engineering Innovation

REFERENCES

Available upon request

- Gained exceptional proficiency with log analysis, formation volumetric, acoustic waveform processing and interpretation, and interpretation for LWD triple and quad combo services
- Conducted petrophysical field studies being a part of an integrated landmark geoscience team to generate field-wide distribution of interpreted petrophysical attributes in some of the major Kuwait fields
- Complete expertise for setting up real time operations and familiarity with geosteering services and applications along resistivity forward modeling
- Implemented neutron environmental correction routines in commercial Halliburton software as well as a routine for determining sonic porosity and SW in real time for DPC
- Acquired expertise in using sonic data to analyze rock mechanics and determine rock strength for drilling optimization
- Utilized operational background for troubleshooting and supporting field operations and performed as the regional technical contact for LWD resistivity imaging tool
- Utilized proficiency with image processing and interpretation software, methods, and workflow and actively participated in its improvement

Halliburton – April 2003 | May 2005 *Directional Drilling Engineer*

- Drafted comprehensive directional plans to ensure planned targets are met while creating a smooth trajectory for operations
- Ensured precise drilling in highly deviated laterals offshore Dubai and performed open hole side tracks
- Prepared and presented End of Well reports after each job to higher management to demonstrate accomplishments

Halliburton – October 2002 | March 2003 *Senior MWD/LWD Engineer & Directional Drilling Third Engineer*

- Operated real time and recorded directional MWD/LWD services including ESS and Single shot, Basic Positive Pulse Directional Gamma, Solar Pos. Pulse Gamma/Res., Slim Triple Combo, Negative Pulse Triple Combo and Slim P4M Triple Combo and quad combo
- Operated additional sensors such as ABI (at bit inclination, DDS/IVSS (vibration sensors), Sonic, ALD, PWD and Super Slim EWR-P5
- Acquired proficiency in ALD (Azimuthal Density) imaging and Sonic SwiBat software along with conducting QA/QC on all sensors and log interpretation
- Participated in modelling and geosteering in Mishrif formation and provided assistance in integration and operation of Insite Anywhere system, using data exchange
- WITS and set up mini LAN network in conjunction with mud logging and directional drilling services
- Gained familiarity with all drilling procedures and activities from cross training to directional drilling

Halliburton – January 2002 | October 2002 *MWD/LWD Engineer*

- Provided services to ADCO, ADMA-OPCO and ZADCO for ten months and progressed to become a lead engineer
- Performed all aspects of MWD/LWD services with special attention to detail and while maintaining precision
- Applied my industrial skillset to provide assistance in troubleshooting problems on regional rigs

Schlumberger (Sudan) – July 2000 | August 2000 *Cementing and Stimulation, Vacation Trainee*

Trained on cementing equipment and related jobs receiving recommendation from the Cementing FSM