

Rohan P. Borgaonkar

Team Lead, Sr. Design Engineer

Al Khobar, Saudi Arabia

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Dear Sir/ Madam

Upon learning of an opportunity at your company, I hereby submit my resume for your consideration. With 14 years of collective domestic and International experience in project management, Service Quality Control, product design, drill bit (drill cutters) design and technical support to marketing, technical Sales, along with experience in manufacturing, repairs, process designing, FMEA, Root cause Analysis, support to bidding for contracts and tenders. I am confident that my skill set would significantly benefit your company.

Highlights of my qualifications:

- Complete Project Management with Technical Support to Turn key project (LSTK) and Manifa Project at Halliburton, Al Khobar, Saudi Arabia.
- Team Leader managing team of Tech. support Engineers and Field Engineers.
- Drill Bit (Drill cutters) Designer at Halliburton, Saudi Arabia.
- Halliburton Certified Application Engineer (tech. Support Engineer)
- Actively participated in ISO Audits.
- Expert in FMEA 5S, JIT (just in time), Kaizan, 5 why Analysis, Fish bone diagram analysis, Root cause analysis concepts and implementation.
- Key Technical support to marketing for Drill Bits division at Baker Hughes for the Indian subcontinent and experience in Technical and Commercial Drill Bit sales since 2008.
- Worked closely with Baker Hughes INTEQ division to accomplish performance drilling (Motor –Bit combination performance meter based drilling), Directional drilling, Drilling in hard – soft alternations, ERD Wells drilling.
- Earned a Master's degree in Oil and Gas Engineering from 'The University of Western Australia', Perth.
- Applied and selected to undertake a project at the prestigious 'Common Wealth Scientific and Industrial Research Organization (CSIRO)' at Perth, Australia.
- Faculty International Postgraduate Scholarship (FIPS) awarded by the University of Western Australia.
- Received "Baker Hughes Core Value Gold Award" for excellent performance.
- SPE 141486 Paper Presentation at "SPE-Middle East Oil and Gas Conference 2011", Bahrain

I am enclosing my resume to provide you an overview of my educational details, trainings undertaken, projects and work experience. I would be pleased to discuss my application further with you at your convenience. I look forward to hearing from you.

Sincerely,
Rohan P. Borgaonkar

encl: Resume

Rohan P. Borgaonkar

*Team Lead, Sr. Drill Cutters (Drill Bit)
Design Engineer*

Personal Info

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Skills

- **IBitS™ (Unix 3D modelling)**
(Drill Bit Design)
- **SPARTA™** (Rock Strength Analysis)
- **MaxBHA™** (Critical RPM Analysis)
- **DxD™** (Direction by Design)
- **Rocky™** (Formation hardness/ Rock Strength Analysis)
- **WellCAD™** (Analysis and comparison of the offset well performances)
- **Bit Hydraulics**
- **Root Cause Analysis**
- **5 Why Analysis**
- **FMEA**
- **Technical Writing and Communication**

Awards and Publications

- Baker Hughes Gold Core Value Performance award (2011)
- Stood First position in Business Leadership Development at Halliburton (2015)
- SPE 141486: Paper presentation in MEOS (Middle East Oil and Gas Conference Show) 2011, Bahrain
- Awarded scholarship for Master's degree
- Selected and Awarded Project in CSIRO

14 years of Collective International and Domestic extensive experience in project management, Service Quality Control, drilling cutters design and technical support to marketing. Strongly knowledgeable with experience in a range of job duties related to manufacturing, operations and services, support to bidding and proposing process and bit application recommendations. Capable of performing multiple roles at the same time. Strong track record of leading a team to provide high quality service to clients.

Experience

2012-present:

Team Lead, Sr. Design Engineer

Halliburton, Al Khobar, Saudi Arabia

- Complete Project Management of LSTK Turn Key and Manifa Project.
- Team Lead, managing a team of 4 tech support engineers for delivering necessary technical support to Sales team.
- Supervised and managed the team of 10 field engineers for delivering on filed operations.
- Actively participated in ISO Audits.
- Carrying out FMEA to improve the performance and service quality control.
- Aware of industrial concepts of 5S, JIT (just in time), Kaizan, 5 why Analysis, Fish bone diagram analysis, Root cause analysis concepts and implementation.
- Supported bidding and proposal process using technical expertise related to Drill Bit recommendations and post-well evaluation of Bit performance.
- Increased profit margins by identifying, actively participating in the process of repairs of re-usable Drill bits (drill cutters). Involves closely working with repair and manufacturing team.
- Developed and managed the Drill bit (Drill cutters) designs including profile/cutting structure, blade configuration, gauge pad designing, force balancing (drag, radial, axial, torque), energy balancing and nozzle placements.
- Modified existing products resulting in reduced manufacturing cost and increase in FBOI without compromising the performance.
- Provided excellent quality of service to clients by thorough analysis of offset wells, formation tops, rock strength, Bit hydraulics and target ROPs
- Strong track record of the accurate selection of drill bit application by using software such as DXD (Direction by Design), Max BHA (torque and RPM analysis), Hydraulics (Nozzle selection for HSI calculation)
- Performed post-run analysis and quality inspection of bits for repair.

Training

- Halliburton Certified Application Engineer
- Business Leadership Development Training (Halliburton)
- Identifying opportunities and Business Acquisition Process
- Presentation skills and techniques
- Trained in IBitS™ software (Halliburton) (Unix based 3D Modelling and Analysis)
- Various Drill bits (drill cutters) Related technical Software.
- Diamond Bit Technology & Tricone Bit Technology training (Baker Hughes)
- Marketing Training: Selling Solution (Baker Hughes)

2008-2012:

Tech support Engineer and Marketing Account Representative (Dual Role) *Baker Hughes, Mumbai, India*

- Designed new and modified existing Drill Bits (PDC, Tricone) based on customer requirements
- Served as a Marketing representative for ONGC across India, Cairn Energy India, BG India, Chevron Bangladesh, HDCPL and Selan
- Successful in bringing business and revenue from a customer to the company by replacing competitor's impreg application in volcanic tuffs by designing a bit that saved one complete run at ~3300m
- Designed PDC bit which improved performance by 30% compared to client's existing service provider
- Attended Pre-bid meetings and prepared technical and commercial proposals for recommending bits, parameters, hydraulics etc.
- Tracked company's daily Drill Bit runs from wells across India and perform a post-run analysis
- Addressed client concerns by proactive customer interaction
- Prepare and update Engineering Analysis Reports, PSR, Dart Tracker, QER, Ezream and Ezcase
- Prepared effective marketing strategies to increase sales and reduce DSO (Day Sales Outstanding)

2003-2005:

Design Engineer

Minda Industries Ltd, Pune, India

- Designed and prototyped automobile switches using industry standards
- Performed Failure Mode and Effect Analysis (FMEA) of the product
- Gathered and documented customer requirements
- Used Pro/ENGINEER and Catia® software for 2D and 3D design
- Tested and Prepared inspection reports

Education

2006-2008: **University of Western Australia at Perth, Australia**

- *Masters in Oil and Gas Engineering*
- **Thesis at CSIRO:** To determine the change in the friction coefficient mobilized along the wear flat of the blunt cutters and its effects on normal stress.

2000-2003: **College of Engineering Pune at Pune, India (COEP)**

- *Bachelor of Engineering (Production)*

1997-2000: **Board of Technical Education at Pune, India**

- *Diploma in Production technology*