

JOSHUA JOSEPH

M.Sc.

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EL-SHALOM,
Kulanada, Kerala, India.



An accomplished professional with more than 7 years of industrial experience in project management, with a strong background in planning and execution of engineering, construction, quality control and associated activities. Demonstrated ability to effectively interact and maintain excellent professional relationships with external clients and suppliers. Seeking opportunities to employ my knowledge, skills and experience in an appealing and dynamic environment where, in addition to the prospect of developing further, I am certain my effort makes a difference.

KEY SKILLS

- Cross country Oil & Gas Pipelines
- Technical Document Creation
- Bidding & Contracting
- Project Management
- 2D / 3D Design & Modelling
- Pipeline Coating & Corrosion Control
- NACE Level 1 Coating Quality Inspector
- Excellent Communication (CLB 10)
- Exceptional Presentation Skills
- Planning & Scheduling

WORK EXPERIENCE

National Basics Company Ltd., Dammam, Kingdom of Saudi Arabia

April 2018 – May 2025

Project Engineer – Pipeline Division (Coatings & Corrosion Control);

Mechanical Engineer – Procurement (Bidding, Contracts & Estimation)

- An integral member of the project team in charge of the construction of cross-country water, oil and gas pipelines with a focus on management of complete operations of Coatings & Corrosion control division.
- Studied and conducted *detailed research* into corrosion control activities, *developing a fresh framework* for a new department which outlined methods and technical procedures for efficient performance of activities.
- Prepared mandatory technical documentation and procedures for site activities.
- Analyzed and performed costing activities for the entire department and actively took steps necessary to maximize performance and optimize expenditure.
- Communicated with major clients to understand their requirements and how can they be best supported with the existing resources, forming, building & maintaining professional relationships.
- Prepared proposals and quotations which were technical as well as commercial in nature.
- Obtained authorizations and approvals from Saudi Aramco within 6 months of taking charge of a new department including mandatory technical documentation and procedures for site activities.
- Received formal approval as lead mechanical engineer from Saudi Aramco.

- Prepared technical and commercial proposals, playing key roles in winning 4 major contracts worth more than \$200M as part of my role in the Bidding, Estimation & Contracting department.
- Coordinated with international clients & suppliers as well as local vendors to obtain new machinery, equipment and raw material.

INTERNSHIPS

C G Motors, India

Dec 2012 – May 2013

Trainee Engineer – Automobile Division

- Gained valuable technical knowledge on the shop floor and soon interacted with clients to understand the problems with their vehicle. I could then explicitly convey those problems to the technicians on the shop floor and within a brief period, I was able to tackle and rectify many of them myself.
- This helped the company to reduce the waiting time for clients while it also eased the work load shared by the technicians on the shop floor during extremely busy periods.
- My training here helped me hone my communication skill and build professional relationships.

Larsen & Toubro Ltd, India

June 2011 – Nov 2011

Trainee Engineer – Heavy Engineering Division

- My role, in a department which was concerned with manufacturing of Steam Generators for Nuclear Power Corporation of India, was to coordinate the manufacture and assembly of orifices including quality checks which was quite demanding but equally exciting.
- Actively kept track of components being manufactured by contractors away from the company through site visits and an ERP software, reporting their progress and quality levels and linking various suppliers of raw material and equipment to the shop floor.
- As the volume of manufactured components was enormous, I had the opportunity to work with large information databases, alloy materials and newer material compositions.

EDUCATION & RESEARCH

MSc Advanced Mechanical Engineering – Distinction

2016 – 2017

University of Strathclyde, Glasgow

Core technical Modules: Pressurized Systems, Materials for Power Plant, Gas and Steam Turbines, Energy System Analysis etc. while generic modules included Design Management and Risk Management.

- Awarded the Faculty of Engineering Excellence Scholarship
- Obtained highest grades for the materials module and the final dissertation.
- Master's Thesis: **A Desalination Plant to satisfy the freshwater needs of a region in the Mediterranean area.**
 - The dissertation addressed freshwater shortage in the Italian island of Sardinia.
 - The initial step was to *gather extensive data* and identify current sources, weather patterns and all associated factors that could possibly play a part in the subject.

- The data gathered was then *studied and analyzed* to quantify the shortfall and explore viable options to overcome it.
- Whilst multiple options and methodologies were considered for their practicality and proposed along with their feasibility, the primary *solution* considered practicable was Desalination and proposals were made for the construction of a desalination plant to make seawater fit for use.

Bachelor of Engineering (Mechanical) – CGPI 6.23

2013 – 2016

SIES Graduate School of Technology, Mumbai

Core technical Modules: Finite Element Analysis, Thermodynamics, Fluid Mechanics, Machine Design, Heat Transfer, Internal Combustion Engines, Computer Aided Drawing/Manufacturing.

- Bachelor's project: The Design and Manufacture of a Stair Climbing Wheelchair.
 - This project, aimed at minimizing dependency of physically challenged individuals on external help to navigate flights of stairs, was selected to represent the college in a national competition and successfully cleared the university and district levels.
 - Initially, *extensive studies were conducted* including literature reviews, interviews and real-world surveys whereby the *critical challenges were identified*.
 - Various *proposals were considered*, mechanisms and components were *designed and tested* using micro scale and 3D models following which a full-size working prototype was manufactured using scrap metal and successfully tested.

CERTIFICATIONS

- Approved by Saudi Aramco as a Lead Mechanical Engineer.
- Certified as a AMPP (NACE) Level 1 Basic Coatings Quality Inspector.
- Certified ISO 9001:2015 Quality Management System Lead Auditor
- Certified in project Management Software Tool, Primavera P6
- Completed a certified course in AutoCAD (2D Design)
- Ongoing certification as a Project Management Professional (PMP)
- Pursuing a certification in BIM Software Autodesk Revit MEP Design.

CONFERENCES & PRESENTATIONS

- **Avishkar 2016**
 - The final year project, which was highly appreciated at various technical festivals and conferences, was also nominated to represent the institute at national events.
- **INTEGREAT 2013**
 - During my undergraduate studies, I represented my institution at an inter college technical festival where I presented on Nanotechnology, emphasizing its use and implementation in the industry especially in the medical field.
 - The paper focused intensely on the use of gold nanoparticles in the treatment of cancer due to its high affinity to absorb radiations as compared to soft tissue cells.

- **Client presentations**

- Often led presentations at proposals with many high-profile clients during my professional career.

- Attended several workshops, conferences & technical events held at various institutes during my academic career.

MEMBERSHIPS

- Member of the Association for Material Protection & Performance (AMPP), formerly known as National Association of Corrosion Engineers (NACE).
- Member of the Saudi Council of Engineers

TEACHING OPPORTUNITIES

- Deeply involved in training new recruits as well as senior but relatively inexperienced personnel as part of their integration into a newly established department in my professional career.
- Providing theoretical and practical training for colleagues as they get accustomed to mandatory procedures and roles in the organization.
- Obtained opportunities to conduct classes and demonstrations for junior students in the university.
- Presented PowerPoint presentations/case presentations/pictorial presentations during graduate school as a part of the curriculum.
- Entrusted with teaching responsibilities in the local neighbourhood and social communities providing learning experiences for the underprivileged and socially deprived children.

MANAGEMENT & LEADERSHIP

- Successfully formed a new department early in my professional career and led an ever-growing construction team to accomplish 3 projects.
- Served as a volunteer and member of various organizing teams for many conferences and techno-cultural festival in the university.

ADDITIONAL SKILLS

- Computer skills include 3D modelling software like SOLIDWORKS, Creo and ANSYS, MS Office including Word, Excel and PowerPoint
- Exceptional communication skills include fluency in English with a band score of 8.5 in IELTS General Training exam.
- Can also converse in Hindi, Marathi, Malayalam and basic Arabic.