
SAM SOLGI

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PROFESSIONAL SUMMARY

Diligent Materials Engineer and coordinator with eight years of experience in different engineering fields, such as Piping, quality control, and inspection. A Detail-oriented team player with strong organizational skills and the ability to handle multiple projects simultaneously with high accuracy. Able to monitor procedures and staff to maximize efficiency and balance objectives with operational requirements. Excellent skills in task management, client negotiation, and strong research, educational, and professional materials science and engineering background.

SKILLS

- Multilingual seasoned professional with a wide range of experience in materials and metallurgy engineering.
- Graduated from UBC with a Master of Engineering Leadership in Advanced Material Manufacturing
- Knowledgeable in Manufacturing Processes, Material selection, and Materials and technical Inspection.
- Familiar with materials science concepts, including mechanical behaviour of materials and physical metallurgy.
- An active listener who pays attention to details.
- Strong organizational skills, including great time management skills resulting in the ability to manage multi-task in high volume, high pace environment.
- Able to work under pressure and have excellent problem-solving and critical-thinking skills.
- Self-motivated, flexible, and adaptable to work schedule with good verbal and written communication skills.
- Proficient in Microsoft Office (Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft PowerPoint, and Microsoft Outlook)
- Familiar with Abaqus (limited) and X'Pert High Score (limited)
- Familiar with data analyzing software (Tableau and tableau prep)
- Familiar with non-destructive testing methods.
- Knowledgeable in biomaterials and biomedical device manufacturing.
- Able to coordinate assignments, projects, and inspections.
- Languages: Persian (Native), English (Proficient), French, Arabic (Intermediate)

WORK HISTORY

QC/QA Engineer, April 2020- November 2021

Boniz Sazeh Contraction and Engineering Co – Iran, Tehran, Jajram

- Developed and managed quality control and quality assurance procedures in line with the general QC/QA procedures.
- Coordinated with quality control staff to complete inspections.
- Supported quality team members during corrective action updates.
- Performed quality inspections and drafted reports to detail non-conforming material issues.
- Involved in the construction of the 16” Miami to Jajram Gas Pipeline
- Preparation of W.P.S and P.Q.R and Pipe welding control

Inspection Coordinator / Project Coordinator, January 2016- March 2020

Industrial & Engineering Inspection Co of Iran – Tehran

- Completed theoretical and practical training and gained technical knowledge in different fields of technical inspection, including Corrosion and cathodic protection, Welding techniques, welding Inspection, Non-destructive evaluation and testing of components, and codes/regulations related to inspection activities.
- Conducted overseeing inspection, including monitoring and testing the performance, repair, and installation of different industrial equipment such as rotary equipment, heat exchanger, pumps, pressure vessels, boilers, pipes, and valves.
- Promoted from Trainee inspector to inspection coordinator in less than 12 months.
- Identified the discrepancies and non-conformities during the inspection visits, reflected them in the inspection report while reporting to the client, and issued NCR.
- Contributed to root cause analysis to determine the core reason for failures and errors, reflect them in the reports, and find creative solutions to improve outcomes.
- Managing and coordinating inspection meetings/visits as a third-party inspection company based on the client's request at manufacturer sites.

- Involved in different types and degrees of inspection, including visual inspection, sample checking, Physical verification, pre-production inspection (PPI), Pre-construction inspection, during-construction inspection, during-production inspection (DPI), Final inspection, or pre-shipment inspection (PSI).
- Managed a portfolio of projects to drive on-time deliverables within scope and budget.
- Produced status reports for customers and senior management.

Piping Engineer, July 2011 - August 2013

Namvaran Consultant Engineering Company – Tehran

- Supplied production data to field operators, technicians, engineers, and supervisors.
- Fostered up-to-date knowledge of applicable codes, regulations, and standards for managed equipment and services
- Working with P& IDs and ISO-Piping Maps and drawings.
- Estimating the technical items required for the project, including the list of valves and fittings, and selecting and identifying the necessary materials for these applications based on mechanical properties and corrosion characteristics.
- Collaborated with other engineers to respond to requests for product improvements and quality concerns.

EDUCATION

Master of Engineering Leadership: Advanced Material Manufacturing, 01/2022 - 05/2023

University of British Columbia

Master of Science: Biomedical Engineering-Biomaterials, 09/2011 - 09/2014

University Of Tehran - Tehran, Iran

Bachelor of Science: Industrial Metallurgy Engineering, 09/2005- 11/2010

Islamic Azad University -Science and Research -Tehran, Iran