

CURRICULAM VITAE

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Career Objective:

I am looking forward to establishing my career in an organization that offers challenging opportunities and prospects for learning, growth, and satisfaction.

HIGHLIGHTS:

- Bachelor's degree in mechanical engineering.
- Over 15 years of experience in gas sampling and conditioning systems, oil and gas (upstream domain), and material handling equipment.
- End-to-End mechanical project execution including design, documentation, procurement, fabrication, testing, and delivery to meet customer specifications and project timelines
- Coordinating with cross-functional teams (design, production, quality, procurement, and suppliers) to ensure seamless execution of mechanical engineering projects.
- Proficient in Supplier Evaluation, vendor development & contract management
- Experience with ERP systems and procurement software (SAP Ariba & Epicor).
- Managing customer interactions for technical clarification, design approval, Factory acceptance test (FAT) coordination, and issue resolution.
- Coordinate with the presales team for product quotations to customer and generate product pricing in Epicor.
- Expertise in sheet metal parts, enclosure design, and welding processes.
- Familiar with Value Analysis/Value Engineering (VAVE).
- Experienced in industrial sampling systems and completed one month training in the USA
- Strong knowledge of Geometric Dimensioning and Tolerancing (GD&T) and tolerance stack-up.
- Thorough understanding of Engineering Change Notice (ECN), Engineering Change Request (ECR), and Engineering Change Order (ECO) processes
- Proficient in 3D/2D modeling software and a Certified SolidWorks Professional.

Professional Experience: (15 yrs. of experience)

- 1) Experience: 8+ years as a Senior Design Engineer
Company: Universal analyzers /Ametek instruments
Tenure: From Apr 2018 to 27th Feb 2026
Designation: Senior Design Engineer (Jan 2021 to Feb 2026)
Senior Consultant (Thru Datamatics, Apr 2018 to Jan 2021)

Responsibility:

- End-to-End mechanical project execution of UAI (Universal Analysers) gas sampling products, including gas sample probes/coolers, distillation probes, probe tubes, and gas conditioning systems, based on customer purchase orders (POs).
- Interpreted customer specifications and engineered complete gas sampling and conditioning product lines to meet functional and application requirements.
- Creating detailed manufacturing drawings, Methods of Manufacturing (MOM), Bills of Materials (BOM), and cost to company calculations for internal planning and approval.
- Submitting design packages for customer approval and resolving all technical inquiries and clarification requests.
- Establish new vendor for new manufacturing parts and ordering first article for vendor assessment.
- Initiating production jobs by reviewing component availability, lead times, MOQ, supplier/vendor information, and raising POs for new parts as required.
- Monitoring production progress and coordinating with cross-functional teams to ensure on-time completion of all processes.
- Manage Factory Acceptance Testing (FAT) and verified that all systems met quality, performance, and customer requirements.
- Delivering final as-built drawings to customers and recommending appropriate spare parts after project completion.
- Coordinate with pre-sales team for product quotations to new customer to get purchase orders
- Mentoring and Guiding team members

Project Description:

Development of various configurations of UAI (Universal Analyser's) gas sampling products, such as gas sample probes and coolers, distillation probes, probe tubes, and conditioning systems, based on customer purchase orders (PO). Upon receiving the customer PO, create manufacturing drawings, Methods of Manufacturing (MOM), Bill of Materials (BOM), and calculate the cost to the company, taking customer requirements into account. The initial drawing is sent to the customer for approval and address any inquiries they may have. Once approval is received and establish new vendor / supplier for new parts. create a production job by reviewing parts availability, lead times, and updating supplier details for any new parts. Monitor the production status and ensure all processes are on track. After successful Factory Acceptance Testing (FAT) and product delivery, send as-built drawings to the customer for confirmation and provide recommendations for spare parts.

2) Experience: 2.5 years as a Senior Engineer.

Company: Quest Global Pvt. Ltd.

Tenure: From Dec 2014 to May 2017.

Designation: Senior Engineer.

Responsibility:

- Supported Halliburton's RTA (Request for Technical Assistance) team.
- Prepared assembly and production drawings in accordance with Halliburton standards.
- Created new drawings based on Engineering Change Notices (ECN) and Engineering Change Requests (ECR).
- Reviewed models and drawings for accuracy and compliance.
- Coordinated with the onsite team to ensure project alignment.
- Guided and mentored new team members.

Projects # 1

Project Name: RTA (Request for Technical Assistance).

Client: Halliburton

Category: oil and gas

Software: Solidworks, AutoCAD and CWI.

Project Description: This project involves supporting the RTA (Request for Technical Assistance) team in field failure analysis, product enhancement, and sustenance engineering activities. Responsibilities include preparing scoping documents that outline the root cause of the issue, proposed solutions, time estimates, and project duration. Additionally, I make necessary updates to models, drawings, and manufacturing specifications, while maintaining all relevant data and processes until the RTA is successfully completed.

Projects # 2

Project Name: Sperry development.

Client: Halliburton

Category: oil and gas

Software: Solidworks and CWI.

Project Description: This project supports Halliburton's design team in product enhancement and prototype development. Responsibilities include creating part models of components as per Product and Process Management (PPM) guidelines and preparing assembly and production drawings according to Halliburton's detailing standards. Additionally, I track part history and ensure adherence to all Halliburton standards using the Corporate Web Information (CWI) system.

3) Experience: 2.6years as a Senior Design Engineer.

Company: Thought Focus information technologies Pvt. Ltd.

Tenure: From Nov 2011 to Sep 2014.

Designation: Senior Design Engineer.

Responsibility:

- Developed material handling equipment such as slide gates, basket diverters, and bucket diverters.
- Created prototype models and built a product library using parametric, ipart, and illogic approaches.
- Designed and detailed slide gates, basket diverters, and bucket diverters for production jobs.
- Coordinated with both onsite and offshore teams.

Projects # 1

Project Name: Design and detailing of production jobs.

Client: PEBCO (USA)

Category: material handling Equipment's

Software: Inventor, Solidworks and Auto cad

Project Description: This project focuses on developing custom-designed diverters and gates for use in various working conditions. I was involved in the design of multiple types of diverters, including bucket, basket, blade, and rolling blade diverters, as well as gates such as slide gates and rolling blade gates. The design process included selecting appropriate materials, determining the size of the gate/diverter, and designing the mounting and actuating systems based on factors like material flow type, working temperatures, and compatibility with mating structures.

Projects # 2

Project Name: Development of slide gate for pneumatic actuator and machine screw
Configurations of size from 6inch to 20inch through parametric approach.

Client: PEBCO (USA)

Category: material handling Equipment's

Software: Inventor, auto cad and Microsoft excel.

Project Description: The project involved developing two configurations of slide gates: one with a pneumatic actuator and another with a machine screw. We successfully created a slide gate design that accommodates both configurations and supports both heavy-duty and light-duty applications using a parametric approach. The process involves entering the required model size into an Excel spreadsheet, which then generates the model in Inventor with the specified configuration. Subsequently, prototype models are created, and a comprehensive library is built based on these prototypes.

4) Experience: 9 months as a Design Engineer.
Company: Robert Bosch through magna InfoTech.
Tenure: March 2011 to Nov 2011
Designation: Design Engineer

Responsibility:

- Created 3D models and production drawings.
- Developed and maintained a library of parts according to customer requirements.
- Created general assembly drawings.
- Coordinated with both onsite and offshore teams.
- Ensured that parts and drawings comply with Robert Bosch standards

Project Name: ATMO PROJECTS

Client: Robert Bosch, Germany
Category: SPM (Special Purpose Machines)
Software: inventor, Solidworks and Auto cad.

Project Description: Created 3D models, drafting, and assembly drawings of precision parts for use in machine building activities, such as jigs and fixtures.

5) Experience : 1.1 years as a Design Engineer.
Company: Shri Padmavathi Consultants, Bangalore
Tenure: Dec 2009 to Jan 2011.
Designation: Design Engineer.

Responsibility:

- Modeled electromechanical components, such as switches and toggles, in SolidWorks and Unigraphics.
- Prepared assembly and production drawings.
- Created new drawings based on engineering changes.
- Converted models or drawings from one format to another.

6) Experience: 1 year as a Graduate Engineer Trainee

Company:Fowler Westrup India Pvt. Ltd

Tenure:Dec 2008 to Dec 2009.

Designation: Graduate Engineer Trainee.

Responsibility:

- Developed conveying equipment, including bucket elevators, chain conveyors, and storage equipment such as bins and hoppers. Released detailed manufacturing drawings.
- Coordinated with the marketing department to prepare proposals and foundation drawings.
- Supported the erection team to ensure timely completion of the project

Projects#**Project Name: Silo Projects**

Category:material handling Equipment's

Software:Inventor, Solid works, AutoCAD.

Project Description: Developed system and foundation layouts for silo storage systems, including creating 3D models of components such as mounting stands, holding bins, and receiving hoppers. Produced detailed manufacturing drawings and released them for production.

Personal Details:

Father's Name: Late B.N Chandrasekhar.

Date of Birth: 31/08/1985.

Sex: Male.

Marital Status: Married.

Passport: Y9675497

B1 VISA: Sep 2023 to Sep 2033

Language Known: English, Kannada, and Hindi.

Hobbies: Reading News Paper, playing cricket, Chess, Watching Movies.

Declaration:

I hereby declare that the above information is true to the best of my knowledge and ability.

Date:

Place: Bangalore

(Umashankar N.C)