|  |  |
| --- | --- |
| Closing block - RAW PROFILE | |
| **Full Name (As per PAN CARD):** | Venkata Kusu |
| **Self Mobile number:** | 9113857008 |
| **Family Member number:** |  |
| Friend / Colleague/ Roommate number: | 8951300849 |
| **Email Address:** | latha.of.kusu132@gmail.com |
| **Total Experience:** | 7 Years |
| **Relevant Experience:** | 4.5 Years |
| **Highest Qualification (Degree):** | B.Tech/B.E. (Mechanical) |
| Reason of GAP between EDU & EMP / EMP & EMP | NO |
| **Current Employer name (Payroll):** | S S Hydraulics |
| **Current Designation:** | Senior Design Engineer |
| **Current CTC (Annual)** | 6.2 LPA |
| **Take-home (Monthly):** | NA |
| **Drawing salary with PF / Without PF deduction::** | NA |
| When was the last salary hiked? (Yrs/Months) % of Hike | Last June 2019 |
| **Expected CTC (Annual)** | 8.0 LPA |
| **Take-home (Monthly):** | NA |
| **Drawing salary with PF / Without PF deduction:** | NA |
| If % of Hike given above 25% then specify reason: | NA |
| **Official Notice Period (As per Offer Letter):** | 15-20 Days |
| **Can join in (Days):** | 15-20 Days |
| **Reason of how can join early than the Notice period:** | 15-20 days |
| **Any Interviews / Offers in Pipeline: Having an Offer in Hand, why ready to join Arche softronix:** | No |
| **Does the candidate have Offer letter, Pay slips, Bank statement, Form-16 & all education docs (Yes / No):** | Yes |
| **Current Location:** | Kr Puram, Bangalore |
| **Work / Requirement Location:** | Marathali, Bangalore |
| Reason of relocation: | NA |
| **Native Place:** | Arunachal Pradesh |
| **Date of Birth:** | 26/8/1984 |
| PAN card Number: | NA |
| **Telephonic Interview Timings** | Yes |
| **F2F Availability:** | Yes |
| **Skills** | Engineer, Mechanical Engineering |

**Venkata Surya Latha Kusu**

**D\O : KVV Satyanarayana**

**Kesavaram.**

**Mobile: +918500112402-/9663751715**

**Native: Andhra Pradesh**

**Current location :Banglore**

**E-Mail: latha.of.kusu132@gmail.com**

**CAREER OBJECTIVE**

Seeking an assignment with your esteemed organization,providing me an ample opportunity to work in. Providing a platform for my skills to scaffold, that will test my caliber resulting in mutual growth and development.

**SUMMARY**

Around 7.0 years of experience in Mechanical Engineering as a Design Engineer” (Design, Modeling, Assembling, Detailing) using Solid Edge, Pro Engineer & Auto Cad, sheet Metal.

**TECHNICAL QUALIFICATION**

* 2004-2008, B.E in Mechanical Engg. From SRKR Engineering College, Bhimavaram.
* 2001-2003, Diploma in Mechanical Engg. From S.M.V.M Polytechnic, Tanuku.
* 2000-2001, S.S.C. from Z.P. High School, Kesavaram.

**PROFESSIONAL EXPERIENCE:**

Working with M/s. S S Hydraulics, Hyderabad as a Sr.Design Engineer from AUG 2017- Till Now

Worked with M/s. Cyient Limited, Hyderabad as a Sr.Design Engineer from March 2014 to

AUG 2017.

Worked with M/s. Veljan Denison Limited, Patancheruvu, Hyderabad as a

Sr.Design Engineer from AUG 2011 to April 2013.

Worked as Design Engineer in M/s. VAMSI ENGINEERING SERVICES from JAN

2011 to Aug 2011.

Worked as a Designer in M/s. Hi-Tech Hydraulics Pvt.Ltd. Hyderabad

from June 2008 to November 2010.

**SOFTWARE & SKILLS EXPERTISE:**

CAD/CAM : Solid Edge, Pro/E Wildfire 5.0, AutoCAD.

Operating Systems : WINDOWS XP,

Areas of Expertise : Good at Adaptive Design, Product Design, Reverse

Engineering, Part Modeling, Assembly, Detailing, GD&T

Design Standards : IS 9001, DIN, SAE, QMS

Tools : MS Office Tools

**VELJAN DENISON LIMITED HYDERABAD.**

**COMPANY PROFILE:**

Veljan Denison Limited is a joint – Venture Company manufactures Hydraulic Pumps, Motors, Valves and Custom-built Power systems. It has a wealth of experience in developing and manufacturing a wide range of Hydraulic and Pneumatic Products and systems for over 40 years now at its three manufacturing plants near Hyderabad.

**RESPONSIBILITIES:**

* Expertise in Adaptive Design (Reverse Engineering) of the product.
* Modeling, assembling the designed product using ProE, CrEo,
* Detailing the child parts using GD&T standards.
* Preparing HYDRAULIC CIRCUITS.
* Preparing BILL OF MATERIALS & Preparing for COSTESTIMATION &
* PURCHASE ORDERS.
* Preparing LAYOUT DRAWINGS.
* Releasing the detailed part drawings for Shop Floor through DRN (COUPLINGS, BELLHOSINGS, MANIFOLD BLOCKS, and TANK DRAWINGS.)
* Good knowledge on Fits & Tolerances.
* Working in line with ISO 9001 Quality System Procedures
* Expertise in Mechanical calculations.

**PROJECTS INVOLVED**

Client Sponge Iron Plant

Project 200TPD Hydraulic power pack

Duration 2 months

Role Design & manufacturing of 200TPD Hydraulic power pack

The “200TPD” is intended for opening and closing of stack damper based on the requirement. This system consist of 24DC solenoid operated valve, high pressure switch, low pressure switch and servo motor. High pressure switch shall be set at pressure 80 bar. Based on requirement the valve will be energized and because of pressure difference piston will be moved in the cylinder and thus causes to open the stack cap.

Client Visakaha Industries

Project Asbestos Cement planks

Duration 2 months

Role Design Hydraulic power pack for Asbestos cement planks

This system consists of three operations namely hood lifting, trolley lifting and long travel cylinder. Hood lifting is intended for to separate the pattern from the mould .Trolley lifting is meant for movement of cement plank. Long travel cylinder is intended for to get the required shape.

Client Shree Bholley

Project 2.5MVA,5MVA and 1.5 MVA

Duration 2 months

Role Design of 2.5MVA,5MVA and 1.5 MVA

This system consists of three operations namely hoisting, clamping and slipping . Hoisting cylinder is meant for lifting the shaft and clapping the cylinder is meant for holding the shaft. Slipping cylinder system is intended to move the rod from position after cutting operation.

VAMSI ENGINEERING SERVICES PVT LTD , HYDERABAD.

COMPANY PROFILE:

We, Vamsee Hydraulic Power Systems have been involved in the field of manufacturing Hydraulic and Pneumatic equipments since 1992. Worked as DESIGN Engineer for VAMSI ENGINEERING SERVICES, Industrial Estates, Kukatpally, Hyderabad from February 2010 to till date. VAMSI ENGINEERING SERVICES is one of the most reputed companies in India in the field of Hydraulic and Pneumatic Systems and Allied Products.

* Hydraulic and Pneumatic Cylinders (Ranging from ø16 to ø500 up to 6000mm strokes)
* Hydraulic Power Units and Systems (20 lit. X 0.5 H.P. to 2000 lit. X 50 H.P.)
* Pneumatic Systems for various Automation Projects
* Hydraulic Presses (Ranging from 1 ton to 500 tonnes capacity)
* Pneumatic Presses (100 kgs. to 2 tonnes capacity)
* Hydraulic Scissor Lifts (100 kgs. to 20 tonnes capacity).

**RESPONSIBILITIES:**

Expertise in Adaptive Design (Reverse Engineering) of the product.

Modeling, assembling the designed product using ProE.

Detailing the child parts using GD&T standards.

Preparing BOM (Bill of Material) for the Purchase department.

Preparing different type of mountings (Flage type,(Rear & Front flange)

Trunion mtg (Intermediate Trunion & Front Rod Eye Mtg Cylinder, Mill

Duty Intermediate Trunion Type Cylinder, Eye Mtg Cylinder, Gland Type

Eye Mtg Cylinder) specially designed in hydraulic &pneumatic cylinders

* Preparing cylinders Drawings for the components.
* Preparing BOM & WEIGHT CALCULATIONS, PROCESS SHEETS for the components.
* Releasing the detailed part drawings for Shop Floor through DRN
* Good at concept generation of the product.
* Good Knowledge on GD&T
* Interacts with HOD on technical issues related to the inputs.
* Over viewing the requirements for ISO standards (IS-2026,1180)
* Controlling the production plan as per schedule.
* Preparation of process sheets for mfg. of various components like child parts like cap , head, retainers, piston, tie rods , piston rod

**HITECH HYDRAULICS PVT LTD, HYDERABAD.**

**COMPANY PROFILE:**

Worked as DESIGN Engineer for HITECH HYDRAULICS, Industrial Estates, Kukatpally, and Hyderabad from February 2009 to till date. HITECH HYDRAULICS is one of the most reputed companies in India in the field of Hydraulic and Pneumatic Systems and Allied Products. Hitech Hydraulics established in 1996, It is a Design, manufacturing, Erection & Commissioning of standard, special purpose & custom-built hydraulics machines & equipment, Hydraulic presses, power Packs, Hydraulic cylinders, Accumulators, Test Rigs, Lubrication Systems, Clamping & lifting devices, oil filtering & transfer units, special tools etc., including electrical control systems for all industrial applications, fuel transfer Rigs, hydraulics charging systems fro Defence Establishments, Aviation Fuel charging for Marine & space applications etc. It’s a Servicing, overhauling, reconditioning, up gradation, modification & import substitution of all types of hydraulic machines and equipments. I have to interact with all the departments like Quality Control, Design, Stores, in the Production Unit of the company.

**PROJECTS INVOLVED**

Client Research Center Imarath

Project High Torque Rotary EMA Test Rig

Duration 3 months

Role Design & manufacturing of High Torque Rotary EMA Test Rig

The “High Torque Rotary EMA Load Test System” is intended for measurement of Torque, Rotational Speed, Angular Measurement, Horsepower, and Frequency etc. as a Simulator for Development of Rotary Electro Mechanical Actuators. Test System was designed & manufactured for conducting Torsional Load Tests on the Rotary EMA. The Structure of the Test System was build rigid to withstand minimum Toque up to 250 Nm, Rotational Speed up to 125°/sec, Angular Measurement up to ±40° and Frequency up to 20 Hz. with a suitable Factor of Safety. The Test System was provided with Torque Sensor, Speed Sensor, Encoder, and Digital Display Units etc. for measurement of Torque, Rotational Speed, Angular Measurement, Horsepower, and Frequency etc. developed by the Rotary EMA. Loading Actuators with Flywheel was accommodated in the Test System to create counter load against the Rotary EMA for Testing. Provision was given in the Test System with necessary brackets and linkage components to accommodate various types of Rotary EMAs. The Test System has been interfaced with Data Acquisition System to operate from PC and to measure, store and take out data and results from printer. The Horsepower can be computed by entering necessary input data / parameters like Torque, Rotational Speed etc.

**Client ECIL, Hyderabad**

**Project High Pressure Pneumatic System for MCF**

**Duration 3 Months**

**Role Piping layout & Fittings**

The Missile Checkout Facilities (MCF) is designed to check the health of fully integrated missiles by evaluating the performance of the sub-systems of the missile in the field. . The Pneumatic Test System is housed in the non A/C cabin installed on the chassis towards the front side of the container and the control panel is housed in the A/C cabin. Pneumatic Test System consists of Air Cylinder Assembly and Control Panel. Air Cylinder Assembly mainly comprises of six high pressure cylinders. High Pressure Reducing Valve, Relief Valve, Needle Valves and Pressure Gauges etc. are mounted on a structure which is fitted inside the canopy. Air cylinders are charged to a pressure of 360 KSC through the charging port. Output of the high pressure reducing valve is connected to the low pressure Control Panel housed inside the A/C cabin. It delivers the air at a pressure of about 20 KSC either to the left or right side missile as per the selection. The main purpose of the Pneumatic system is to check the Actuators of the Missile.

**Client ISRO, Sriharikota**

**Project SHAR Augmentation of Cyro Arm MK-III**

**Duration 3 Months**

**Role , Piping layout & Fittings**

Realization of hydraulic system for the new cryo arm by carrying out specified modifications to existing circuit; supplying additional manifold block with envisaged hydraulic components; installation/ interfacing with the existing system; testing and commissioning of the system; and demonstrating the functional requirements

Client Carbone Lorraine India Pvt. Ltd, Bangalore

Project 3 Ton Crushing Strength Equipment

Duration 3 months

Role

* Design, Manufacturing & Commissioning of 3 Ton Crushing Strength Equipment
* 3 ton capacity press is required for a specimen of 1 cm2 cross sectional area to be given compressive strength of non-metallic specimen. 3000kg/cm2. The press is a rigid & bench top compact equipment & the hydraulic press is applied into the specimen by a hand lever till the specimen is crushed & the force will be displayed instantaneously in the digital display unit in terms of kgf or Tonne.

**Client VRDE, Ahmadnagar**

**Project Development of Test Rig for Hydro-Gas suspension System**

**Duration 3 Months**

**Role Design & Manufacturing of Test Rig**

Battlefield mobility is fundamental requirement of tracked vehicles. The suspension provides the necessary ride, handling, and traction for the vehicle when traversing over either paved roads or on unprepared terrain, The Hydro-gas Suspension Unit (HSU) is one current state-of-the-art suspension technology with a huge potential requirement for mobility, Damper plays a vital role in development of suspension system for off-road tracked vehicles The damper is in-built in Hydro gas suspension. We have designed the Test Rig for Experimental testing and analysis for damper development. Numbers of experiments are needed to optimize the damper for the required characteristics such as setting of cracking pressure (Pressure at which the valves in the damper open to enable additional flow) A hydraulic set up is required to simulate the working of hydro gas suspension in terms of flow through damper and pressure differential across the damper. The set up was used to test and optimize the dampers for required pressure differential across the damper. Optimization of the damper need measurement of cracking pressure at bounce and Rebound, Input flow to the damper and pressure, and output flow from the damper and pressure. Verification of damper setting for every suspension unit before finally integrating in the vehicle.

**Client Oil country Tubular Ltd. (OCTL)**

**Project Design, Developments & reconditioning of Pneumatic & Hydraulic systems**

**Role Design**

**Design, Developments & reconditioning of Pneumatic & Hydraulic systems**

**Client VRDE, Ahmadnagar**

**Project Water Proofing test facility**

**Duration 5 months**

**Role Design & Manufacturing**

The facility shall be conducted as per IS: 11865:2006 automotive vehicles-methods on conducting water proofing test. The test facility is required to make an artificial shower on the vehicle to be tested, the water pipe network built over an existing super structure with concrete floor. Provision for top & lateral sliding mechanism had been made to ensure that depending on the size of vehicle, a distance of 0.5 to 1m can be achieved between the vehicle surfaces and plane of the nozzles(300 Nozzle with Riser 25NB pitch 400, 4500lpm pump with 3bar)

**RESPONSIBILITIES**

* In-process Inspection for Product Quality.
* Working in line with ISO 9001 Quality System Procedures
* Preparation of process sheets for mfg. of various components like adaptors(two way , 3-way 4-way ) , tools
* Preparing tanks and Fixtures wherever required.
* Providing drawing clarifications to the given job for first operation and inspection.
* Controlling the production plan as per schedule.
* Qualities check up and query handling.
* Preparing BOM & WEIGHT CALCULATIONS, PROCESS SHEETES for the components
* Preparation of hydraulic circuits & hydraulic cylinders & generating the part drawings.

**ACADAMIC PROJECTS**

Project : Kinematic stress analysis of Scara Robot

Role : Team Member

Team Size : 4

**INDUSTRIAL VISITS**

• TVS Motors, Bangalore.

• ANDHRA SUGARS, Tanuku