



**TEK04251** (Ansys developer - 5 + Year)  
 B.Tech

## Highlights

- 5+years of experience in Automobile industry as a Solution Developer
- Involved in CAD Customization, CAD and PLM integrated applications development
- Involved in Developing the Augmented Reality applications and also defining use cases to improve and enable the industrial benefits from AR technology
- Experience in Mechanical industry as a Design Engineer
- Involved in CAD Modeling, Assembly, Drawing, Detailing and Model Analysis
- Thermal, CFD, Structural(Fracture, Fatigue) and Model Analysis Using Ansys 14.5

## Skills

### Primary Skills

- ANSYS 14.5
- AR,VR & MR – VUFORIA STUDIO
- C ++
- PYTHON

### Secondary Skills

- AR,VR & MR – VUFORIA STUDIO
- CATIA V5R21,28
- CORTONA
- PLM –TCE,TCUA
- PRO TOOLKIT
- UNITY
- VUFORIA ENGINE

### Other Skills

- C ++,JS,LINUX,PYTHON
- PRO TOOLKIT, CREO 4.0, CATIA V5R21,28
- AR,VR & MR – VUFORIA STUDIO, UNITY,VUFORIA ENGINE,REFLEKT ONE
- CORTONA,CREO ILLUSTRATE
- ANSYS 14.5,HYPERMESH 14.0
- PLM –TCE,TCUA

## Projects

### Senior Solution Developer - Automobile Industry (44 months)

- **Designation:** Senior Solution Developer ( April 18 to Dec 21)
- **Team:** Digital Product Development systems ER&D (Creo Customization, AR Technology, New technology tools evaluation and implementation,)
- Creo Customization using Creo API ProToolKit Programming.
- Teamcenter and Multi CAD integration.
- Augmented Reality process development and implementation.
- New technology tools evaluation and implementation.
- AR application development with unity 3d, vuforia engine,Vuforia Studio and Reflekt one
- Working on AR technology Use cases building and defying the technology benefits to the automobile industry.
- Working on CAD application understanding, development and support.

## Design Engineer (30 months)

- **Designation:** Design Engineer ( Nov 15 to till March 18)
- **Team:** Product Design and Manufacturing
- Understanding the requirement of the client.
- Generating mod
- Generating assemblies.
- Generating Detail Drawings.
- Preparation of BOM using standard material catalog provided by customer
- Worked on reverse engineering projects
- CAD Packages CATIA and Creo tools used for the Product Development

## Multicad Conversion process and its automation.

**Softwares** : Creo ProToolKit toolkit,Creo Parametric,Catia V5R28 and PLM-TCE,TCUA

**Description** : The project involves to define structure and develop automation.

### Roles and Responsibilities:

Understanding the requirement of the client.

Define the automation structure as per client requirement.

Implement conversion executable files using ProToolKit.

Integrate and automate conversion process with PLM.

## Service Tool Library assembly Automation

**Software** : Creo, Creo API ProToolKit Programming

**Description:** This application fulfills the Requirement of Service Tool library in Creo assembly.

### Roles and Responsibilities:

- Understanding the requirement of the client.
- Generating ProToolKit program to load as per user requirement.
- Integrate tool with PMI to load service tools from data base.
- Overall process standardization in across the industry.

## Generic IFD Drawing Automation (12 months)

**Software** : Creo, Creo API ProToolKit Programming

**Description** : Every time designer need to create drawings manually this got automated by developing this tool based on TML standard.**Roles and Responsibilities:**

- Understanding the requirement of the client.
- Generating Drawing template as per TML standards.
- Implementation of ProToolKit programs and mapkeys.

- Generating Detail Drawings.
- Maintain application in generic to utilise all the IFD users

## **VELJAN Hydraulics (9 months)**

**Software** : CREO

**Description:**The project involves making parametric models.

### **Roles and Responsibilities:**

- Understanding the requirement of the client.
- Generating models.
- Generating assemblies.

## **Augmented Reality Applications development (6 months)**

**Software** : Vuforia Studio,Vuforia Engine,Creo illustrate,Unity, 3DCortona& Reflekt one

**Description** : The project involves to Creating lot of AR based pocs and applications to enable AR technological benefits to the all over the industry.

### **Roles and Responsibilities:**

- Introducing AR technology benefits and its solutions to client.
- Understanding the requirement of client and providing solutions with AR technology.
- Customizing the AR applications as per client requirements.
- Building POCS and usecases to improve the AR technological benefits to the organization.