USMAN HAROON
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To work for an organization where I can implement my knowledge gained from the past experience and my creative ideas which helps to improve myself and organizational growth.

SUMMARY

- Around 8+ years of experience as a 3DExperience and CATIA developer. Initial 3 years in Renault Nissan Technology and Business center, 3 years in Dassault Systemes Global Services and 2+ years in Boeing India.
- With real time experience in CATIA V6R2013x, 3DExperience 17x,19x,21x,22x,23x,24x native and server-side configuration and customization.
- Experience in enhancements, issue handling, bug fixing and customization of rich client applications.
- Experience in requirement gathering, risk analysis, feasibility study, delivery planning, code review and maintenance.
- Test case preparation, Test objective written and unit test coverage to ensure the smooth deployment in start of production.
- Ability in meeting challenging deadlines, comprehensive problem-solving abilities.
- Conversant with coding guidelines for highly efficient programming and knowledge of Object-Oriented design.
- Ability to take a project from scoping requirements through actual launch of the project.

SKILLS

Programming: C++, CAA, EKL, **KAC, MQL, TCL**, C#, Python, Java, VB Scripting
Designing: CATIA, SolidWorks
PLM: CATIAV6, EnoviaV6R2013x, 3DExperience17x – 24x.
Tools: Azure Devops, Office 365 package, TortoiseSVN, Gitlab, Bitbucket, JIRA
IDE: Microsoft Visual Studio, Eclipse, VSCode, PyCharm
Web Design:HTML5, CSS3, VueJS
Database: MySQL

PROFESSIONAL EXPERIENCE

Boeing India Engineering and Technology Center, Bangalore

PLM Solution Developer: May 2022 – Present

- Serving as a lead developer, managing and mentoring a team of highly enthusiastic and dynamic developers.
- Engaged in technical solution discussions, solution architecture design, code reviews, and codebase maintenance.
- Developed add-on utilities to enhance team efficiency and streamline workflows.
- Delivered automation tools to improve unit test case coverage during code release cycles.
- Conducted functional regression testing, validation, and issue reporting for new 3DX release versions.

Dassault Systems Global Services, Pune

Software Engineering Specialist: October 2019 – April 2022

- Had an opportunity to work with CATIA V5 and 3DExperience 19x application for Japanese automobile giant which compromises of development of POC's, code migration, performance optimization and bug fixing.
- Integration of CATIA composer with 3DExperience17x for European manufacturing company.
- Enhancement activity of quality check tool for data migration from CATIA V5 to 3DExperience17x.
- Collaboratively worked with Japanese team to identify the optimal solution for the complicated issues.

Renault Nissan Technology and Business Centre India, Chennai

Software Engineer: July 2016 – October 2019
- Real time experience in CATIAV6R2013X Product Lifecycle Management and Implementation of business requirements and customization using CAA.
- Gained good knowledge on enterprise knowledge language and business rules.
- Worked closely with French team members to translate high level business requirements into design specifications for developers.
- Preparing technical specification document and realization document for the requirements.

PROJECTS HANDLED:

Boeing India Engineering and Technology Center, Bangalore

- Enhancement and optimization of design automation tool developed in C# to speed up the design process of Pylon parts with multiple parameterizations.
- Implementation of KAC based Product Structure Creation tool which reads the data tree from excel spreadsheet and creates it in the 3DExperience with configured attributes, IP classification and Export Class. Additionally, incorporated Excel macro functionalities to assist end-users in populating the spreadsheet.
- Enhancement and maintenance of few KAC applications which are used for geometric handling.
- Contributed to development of Native Automation Framework which aids in running OOTB batch applications such as Import, Export, CheckRepresentation of Standard parts, Materials, Fasteners from 3DX widget.
- Responsible for 3DX 24x New fasteners solution technical analysis, configuration, customization planning and delivery activities.
- Involved in 3DX 25x New Notes solution functional and technical discussion activities with DS R&D.
- Knowledge on BI Essentials and CATSettings.
- Built VS Code extension to enhance EKL code readability with syntax error checks and color coding.
- Engineered a miniature version of ADO bulk update utility capable of seamlessly extracting data from local spreadsheets and dynamically updating ADO work items in real time.

Dassault Systems Global Services, Pune
- Migration of custom commands from CATIA V5 version to 3DExperience 19x FD08 which includes code migration, unit testing, Integration testing, bug fixing, production support.

Extensively worked on commands from part design and mechanical system design workbenches.

- Integrated CATIA composer with 3DExperience 17x platform using CAA, Java , VB.net and REST web services technology.
- Enhancement in QCT application which generates the excel report by comparing the data attributes from CATIA V5 and 3DExperience. From the created report, end-user can identify the deviations happened while data migration.

Renault Nissan Technology and Business Centre India, Chennai

- Delivered the historization without DWS project which reduces the end-user work considerably.
- Deployed a new Renault custom discipline (GRP object), to easily maintain the related part bodies and documents under single umbrella.
- Implemented the version labeling option in CATIAV6 west compass.
- Done changes on milestone markup panel to efficiently handling the milestone history and milestone batch running process.
- Creation of sphere objects around the fastening located points with different colors based on type of fasteners and number of stacking parts.
- Adding new thickness parameter for each fastening objects, the values are retrieved from the stacking parts based on multiple Renault specific rules.
- Increasing the efficiency of Linxcat (fasteners) application by delivering requirements following agile methodologies.
- Developed test automation scripts in Python using Sikuli open-source automation tool.

AWARDS and CERTIFICATION:

- Achieved a top-10 ranking among 110 teams participated in Boeing India Hackathon 2023.
- 3 Pride Awards for excellent project contribution.
- Secured 1 Spotlight award.
- Azure Az-900 Certified.
- SAFE-5 Certified.
- Certification course in Creo Parametric 3.1, SolidWorks from A+CADD Center.
- Certification in AutoCAD.

PERSONAL PROJECTS:

- Personal portfolio website.
- Build a real time website for restaurant.
- Personal simple chatbot assistant using wolfram-alpha and Wikipedia packages.
- Face identification using Opencv library.

EDUCATION

Coimbatore Institute of Technology, Coimbatore

B.E. Mechanical, CGPA:8.01, Class of 2016