

Sameer Karjatkar

COMPETENCIES

I have dived into the unknown world of Unreal Engine and currently developing a plugin for Unreal Engine 5.0.3 .

I have been working in PLM domain industry with Dassault Systemes for the past 11 years . During this tenure I have worked on projects which involve Process Planning and Visualization products . The Primary skills used for these projects were c++ , python , scripting , web services . Prior to Dassault I was working with companies like HCL, Mphasis & CMC .

Out of Curiosity I also did a certification on Data Analytics & Machine Learning where we touched upon fundamentals of data science . In this course we used R & Python to perform data analytics and Visualization

Operating System: Windows 11, Linux mint

Programming Languages: C, C++ 11, VC++ 17.0

Software's : Unreal Engine 5.0.3

Areas of Interest: Computer Graphics

Certifications & University Graduations

R 3.3 . Completed a course on Data Analytics using R from edX
<https://courses.edx.org/certificates/2a10c318fda6430480852248c88ddc8a>

Bachelors Degree in Computer Science from Pune University, 1999 (63.4 %) Masters Degree in Computer Management from Pune University, 2001. (66.8 %)

Professional Experience

Experience 20.0 years

PlanEYE: Sept 2022 –

Developed a Toolbar plugin for Unreal Engine 5.0.3 .

This Plugin allows the user to View the assets he wishes to use in Unreal Engine before he actually imports .

The plugin supports import of FBX,OBJ GLM/GLB assets, textures,Materials,Meshes . For GLB/GLM the plugin uses the DataSmith Importer library . The plugin uses the SLATE framework to build the UX .

Unreal Engine Developer

Domain : 3D Asset Content

Technology : C++ 17.0

Dassault Systemes : July 2008 – Oct 2022

Senior Technical Lead

Product : Deltagen

Domain : Visualization

Technology : C++ 11.0 / Python 2.7.8

- 3DEXCITE DELTAGEN is the world's leading high-performance software that delivers a highly-realistic display of 3D visualizations with real-time interaction. Data from all professional CAD systems is instantly brought to life in real-time and in outstanding visual quality, supporting the full value chain from design and engineering to marketing and sales.
- As a Technical Lead , I was responsible for low level design , code reviews and implementing Agile methodologies like grooming stories ,epic creation

Product : Delmia Process Engineer

Domain : Process Planning

- The Process Planning and Analysis enables the user to define and analyze the process from a functional perspective. The PPR Navigator™ for Manufacturing is used for structuring and visualization of all the relevant planning data. It has an intuitive interface providing access to the information organized by Product, Process and Resource
- Actively developed and maintained modules for the backend server COM / DCOM components

HCL Technologies : Sept 2006 – July 2008

Senior Software Engineer

Product : CPORT

Domain : Investment Banking

Technology : C++/Perl / Sybase

- CPORT is a margining reporting product for derivatives market
- I was involved in developing perl scripts to process margin numbers for Funds and also generating reports for Fund managers

Mphasis Software Sevices Ltd: Nov 2004 to Aug 2006

Senior Software Engineer

Product : Regional Front End System

Domain : Middleware

Technology : C++, Unix,Oracle

- Regional Front End System acts as light weight switch which translates messages from customer transaction scripts which acts as query to the backend database
- I was involved in the backend development and maintenance of the product

CMC : Nov 2003 - Nov 2004

Senior Software Engineer

Product : Central Depository Accounting System(CDAS)

Domain : Equities

Technology : pro C, Unix,Oracle

- CDAS is a demat trading software which allows the Depository participants to register their trade contracts with the Bombay Stock exchange
- I was working on the backend server which creates the queries from the client requests and executes them on the back end database

Interface Embedded Systems : Jan 2002 -Oct 2003

Software Engineer

Product : Intelligent Lighting System

Domain : Embedded

Technology : C, Unix

- Intelligent Lighting system controls the platform lights based on the frequency of the trains that arrive on the platform
- I was involved in the development of the module which interacts with the serial port and sets the bits on the hardware port which triggers an on/off signal to the electrical levers