Mandar Pise

SENIOR SOFTWARE ENGINEER

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Summary

Current Senior Software Developer for CAE Pre-Processor Generator4 at GNS Engineering. 8+ years of experience in developing CAD, CAE and PLM Products. Specializing in application development using C++, OOPS and STL. Comfortable on both Windows and Linux as development platform. Likes to automate time wasting tasks. Interested in learning new technologies and tools.

Work Experience

GNS Engineering India Pvt.Ltd.   *Pune, India*
SENIOR SOFTWARE ENGINEER (LEAD)   *March 2019 - Till Date*

- Responsible for development of Preprocessing CAE Product Generator4 using C++ and QT.
- Provide solutions to local Generator4 users in India office.
- Work closely with Product managers from Germany and Australia.
- Manage Software Development Team in India.
- Automated task of creating project estimation spreadsheet using TCL and functionality available in Animator4 and Generator4. It helped project manager to save lot of efforts.
- Conducted technical sessions for project engineers to make effective use of Generator4.

Altair Engineering India Pvt. Ltd.   *Bangalore, India*
SENIOR SOFTWARE ENGINEER   *May 2015 - March 2019*

- Implemented a Reader and Writer Interface for Medina .bif and .bof file format in Hyperworks Desktop application. This project helped customers to use their legacy data (Generated in Medina) in Hyperworks.
- Responsible for Development and Enhancement of Hyper-View result readers.
- Responsible for supporting various solver binary output files. Predominantly Worked on LS-Dyna (D3plot), Radioss (A00), Nastran (Op2, XDB, HDF5) and Pamcrash(ERFH5).
- Resolve customer critical issues related to the result readers.
- Created script to measure operation time which helped developer to identify bottle necks in existing code.
- Mentor and Train junior team members.

3DPLM Software Solutions Ltd.   *Mumbai, India*
SOFTWARE ENGINEER   *June 2012 - May 2015*

- Part of CAD Integration Development team for "Enovia SmarTeam" (Dassault Systems product comes under ENOVIA brand).
- Quick analysis and resolution of the high priority as well as complex customer issues.
- Identify and make use of various Microsoft Office and various CAD Software APIs to provide new as well as useful functionalities in the product.
- Worked collaboratively with cross functional teams.
- Developed batch scripts to automate source code management related activities.

Education

Defense Institute of Advanced Technology   *Pune, India*
MASTER OF TECHNOLOGY IN MODELLING AND SIMULATION (DISTINCTION)   *July 2010 - May 2012*

- Got a MHRD Scholarship (Monthly Stipend) which is given to GATE (Graduate Aptitude Test in Engineering) Qualified Students.
- Successfully completed project on "Projectile penetration using Smoothed Particle Hydrodynamics" as Master's Thesis under guidance of Dr. Smita D. Naik (Scientist 'F', Defence Research Development Organization). The thesis dealt with the modelling of projectile penetration problem using Smoothed Particle Hydrodynamics and Study the effect of most sensitive parameters involved.

Fr. Cancecao Rodrigues Institute of Technology   *Navi Mumbai, India*
BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING (FIRST CLASS)   *July 2006 - June 2010*