AVINASH PANDEY

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Objective: I am interested in a challenging position in the software industry where I can leverage 9 years of work experience in different stages of software application life cycle.

Experience:

February 2002 to present
Project Manager, Oracle iSetup, Oracle Applications, Redwood Shores, CA

Leading a fully remote (India based) team for quality assurance and development projects for Oracle iSetup, a product that simplifies and automates the configuration, migration and reporting of Oracle Applications.

- Managing the entire quality assurance process for four 11i9 releases of iSetup Configurator, Migrator and Reporter tools. This responsibility includes release certification, development of testing project plan and schedules; supervision, development and execution of test plans, test scripts, Regression Tests; UI testing and data/functional testing; running Integration and System Tests; logging issues and coordinating with various product teams for getting resolutions; coordinating with release management environments and patching; product certification in different platforms and languages.
- Managed the 11i8 release of the hosted product (isetup.oracle.com). My team and myself did all development and quality assurance.
- Managing iSetup team at Oracle India Development Center (IDC). Development of project plans, ensuring transfer of information (TOI), training, and ramp-up. Developing TOI documents. Moderating conference calls and net meetings with the IDC team.
- Design and implementation of a standardized bug flow process.
- Design and implementation of enhancements to the Loader module for iSetup release 11i7.
- Bug fixing during System Test cycle of iSetup Migrator for release 11i7.
- Configurator Extractor and Functional Companion development for iSetup release 11i6.
- **Contributed to Oracle's Business Development with the Indian Government:** Hosted a corporate meeting of the Chief Minister of the Indian State of Madhya Pradesh, Honorable Digvijay Singh, with senior Oracle executives at the company Head Quarters. This meeting initiated the State Govt.'s relationship with Oracle and resulted in sales deals for Oracle. The Honorable Chief Minister, the management in the US, Executive VP of Oracle Asia Pacific and the country head of Oracle India, specially acknowledged this initiative.

September 2000 to February 2002
Project Leader, Oracle iSetup, Oracle Applications, Redwood Shores, CA

Lead product development projects and cross-team projects for Oracle iSetup Development.

- iSetup Architecture: Contribution to the design of Configurator solution.
- Owner of the Extractor module of the iSetup tool. The component extracts saved configuration data in XML files and stores in them in a zip file in the database. Tasks included: Design, Development, testing, enhancement, documentation, bugs fixes. The module extracts data from Configurator schema based on pre-defined properties. It is developed in Java using JDBC functionality.
- Owner of Functional Companion library for developing special Configurator functionality. Companions were developed for date validation, unique value validation, input field length validation, generating configuration summary, defaulting and/or manipulating a field value from

multiple sources, performing validations and updating fields at save time, transferring natural account values. Tasks included: Design, Development, testing, enhancement, documentation, bugs fixes. Companions were developed in Java using Configurator CIO API.

- Support to the iSetup Development team: Owning development databases and environments, upgrading, applying patches, installing software, debugging environment problems, performing DBA actions like backup, restore, restarting servers, etc. Coordinating with Configurator team on patching issues. Coordinating with BISREL team for migration, new environment creation.
- Configurator technical support to iSetup Product Management.
- Support to HRMS (PQP) team: Transfer of architectural and technical information. Help in design, implementation and testing of Configurator components. Providing environmental framework.
- Liaison with Oracle Configurator team: general communication and coordinating help on technical issues, new releases, upgrade issues. Filing bugs, enhancements and ensuring resolution, delivery, implementation. Moderating conference calls with Configurator team.
- AIW support: Resolving bugs and issues related to AIW.

June 1999 to September 2000
Senior Applications Engineer, Application Implementation Wizard, Oracle Applications, Redwood Shores, CA

As a part of Oracle Applications Implementation Wizard (AIW) Development team, developed business software in PL/SQL and Java on Unix and Windows NT platforms.

- Worked with Product Management to evaluate the feasibility of Oracle Configurator for the new product architecture.
- Developed functional enhancements for the product. Designed and implemented support for OPM. Task included data model design, coding, testing and release.
- Developed UI enhancements for AIW along with bug fix and maintenance support for AIW.
- Held all release management responsibilities: maintaining development and testing database environments, building patches, testing patches, product unit testing, maintaining release and freeze processes, maintaining code area, team rep at UTF and work group meetings.

January 1997 to January 1999
Software Engineer, Engineering Animation Inc, Southfield, MI

Developed software in C++ on Windows NT and Unix platforms as a member of Product Development team.

- Contributed to the design, architecture, implementation, testing and production of an Object Oriented API: VisAPI(TM) for data (hierarchy, geometry, and attributes) translation from CAD systems and other formats into DirectModel(TM) format. Extensive use of C++ features like: inheritance, abstract base class, polymorphism, reference-counted objects, class factory, data-less interface classes, wrapper classes, process manager classes, hash table, etc.
- Developed a C based first version of the above API within a very short time as the lone developer on this project.
- Developed GUI for VPCheckList (TM) (an add-on module to the core product: VisView (TM)) on Windows 95/NT and also ported it to Unix platforms.
- Developed new features in the Measurement and Attribute Filtering modules of VisMockUp(TM) (a large model 3D rendering/digital prototyping software). Added new menu items to product GUI (X/Motif). These resulted in updation of existing C++ classes, implementation of new C++ classes, design and implementation of new algorithms.
- A principal developer of MasterClient(TM), a C++ application for IDEAS(TM) to EAI data translation.
- Owner of the software (a C++ app) for converting EAI data to the ROBFACE(TM) format.
- Major contribution in developing an application for translating CATIA(TM) Free Form Design Data to EAI internal/DirectModel(TM) format.

Summer 1996
Intern, Scientific Research Laboratories (SRL), Ford Motor Company, Dearborn, MI

Conducted Geometric Modeling research with the Interactive Conceptual Design and Applications team.

- Developed an algorithm to handle the applications of the geometric Direct Surface Manipulation (DSM) technique across individual patch and composite surface boundaries. Incorporated this algorithm into PDSM, proprietary research software written in C, OpenGL and X/Motif.
- Updated the 3D Painting feature in PDSM software.
- Published the entire technique of the construction and application of geometric DSM features in a research report.

May 1995 to December 1996
Graduate Research Assistant, Virtual Reality Lab, University of Michigan, Ann Arbor, MI

Virtual Reality Research required developing software for the visualization of dynamic Finite Element Analysis (FEA) of Automotive Tires. Sponsor: Automotive Research Center.

- Developed software in Perl and C to extract geometry from the output of FEA software Abaqus and convert it into the VRML format.
- The geometric modeling of the tire was done by using polygon meshes.
- The Connectivity of polygon vertices was generated independent of FEA model.
- Textures, lighting, material and environment were added for visualization in a Virtual Reality environment.

Research in Geometric Modeling and 3D Graphics required the development of new algorithms for real-time painting of designs or patterns on free-form (3D) parametric surfaces (NURBS surfaces). Sponsor: Ford Motor Company.

- Algorithms based on mapping design curves through surface evaluator and surface-to-surface intersection techniques using contouring algorithm were implemented and found to be un-useful for real-time applications.
- New technique based on "Grapefruit" model was developed for real-time applications.
- Developed a 3D viewer to implement and test the algorithms on SGI platforms. The source was written in C, the 3D graphics interface in SGI GL and the user interface in X/Motif.
- Incorporated the new technique in PDSM, a CAD research software at SRL, Ford Motor Company.
- Published a research report based on the algorithms developed for the project.

Education:

MS Engineering, University of Michigan, Ann Arbor, MI, December 1996
Areas of Specialization: 3D Graphics, Virtual Reality, Geometric Modeling

BS (Honors), Indian Institute of Technology, Kharagpur, India, July 1994

Skills:

- 9 years of experience in various stages of application life cycle.
- Managing and leading a 100% remote team.
- Interacting with support and clients for resolving high priority problems.
- Working on cross-team projects.
- Working in aggressive, highly dynamic work environments and schedules.
- Developing software products, libraries, and APIs.
- Extensive use of software control and development tools.
- Developing business applications, Object Oriented Programming, GUI programming, 3D Graphics programming, CAD programming.
- Oracle technologies: Oracle Databases, Oracle Applications, Forms, JDeveloper, and Oracle Configurator.
- Programming Languages: PL/SQL, Java, Visual C++, C++, C, Perl, Fortran, HTML, Basic.
- Graphics Languages/Libraries: DirectModel, Open/GL, Open Inventor, VRML, X/Motif.
- Platforms: Dell, IBM, Sun, SGI, HP, Dec, Macintosh.

- Operating Systems: Windows 2000, Windows NT/98, Unix (Irix, HP-UX, Solaris, SunOS, AIX, Ultrix), DOS, MacOS, Linux.

Publications:

- "Algorithms for 3D Painting on Free Form Surfaces", December 1996.
- "Projective re-parameterization of surface patches for formation of cross-boundary geometric features" (with Y Chen and P J Stewart), Manufacturing Systems Department, SRL, Ford Motor Company, August 1996.
- "A Dynamic Model to Interpret and Predict Measured Power Line Support Forces", (with K G McConnell), in the Thirty-Second Annual Power Affiliate Report, EPRC, ISU-ERI-Ames, May 1995.
- "3D Finite Element Analysis of Ship Structures", (with M Mukhopadhyay). Report submitted to the Ministry of Shipping and Transport, Govt. of India, July 1994.

Honors and Awards:

- Graduate Assistantships and Tuition Waivers from University of Michigan, Iowa State University, Virginia Tech, Memorial Univ. of Newfoundland (Canada) and acceptance into the graduate program at MIT.
- Premium for Academic Excellence (PACE) Award from Iowa State University for 1994-95.
- Highest GPA in major area of Bachelor's degree.
- Selected in IIT Joint Entrance Exam 1990 (India's topmost entrance exam for Eng. School).

Availability: Open

References: Available on request

Immigration Status: Permanent Resident of USA

Manager of Quality Assurance - 2015

Siebel Systems is actively seeking a Manager of Quality Assurance based San Mateo, CA. This position will be primarily responsible for verifying and delivering a high quality product. This position will have exposure to and will require working closely with other groups in QA, Engineering, Technical Services, Product Marketing, Technical Account Managers, and customers. Responsibilities will span both browser based internet applications as well as server-to-server components.

60% - Technical Responsibilities:
Manage a team to verify the quality, reliability or performance of Siebel product(s) meet specifications, conform to product documentation and meet the release criteria defined for Siebel products by Product Marketing
Manage development of test strategies, suites and tools to accomplish the goal and to achieve efficiency across product lines, platforms, and languages
Work cross-functionally with Engineering to develop test methodology
Define and develop tools, technology, and processes that make the team more effective
Creatively develop solutions for technical challenges

30% - Leadership Responsibilities:
Develop plans and prioritize work for the team to meet overall release timelines
Ensure that team members believe in and demonstrate their commitment to 100% customer satisfaction
Create a team environment that supports and encourages initiative and innovation
Create a work environment that fosters employee satisfaction and productivity. This includes completing performance evaluations, providing regular and immediate feedback, mentoring staff on Core Values, conducting weekly team meetings, organizing team-building activities, providing adequate time for education and training, ensuring a productive environment, recommending appropriate compensation changes and having regular one-on-one meetings with all direct reports
Recognize individuals who are under contributing and assist in helping to improve productivity
Mentor team members on Siebel Core Values and provide feedback on performance
Actively recruit and hire qualified individuals based on departmental needs
Provide leadership training to team leads and technical guidance to the team

10% - General Responsibilities:
Proactively identify issues; develop and implement solutions
Work closely with Development in delivering products to market
Communicate product deficiencies in a manner aligned with Siebel Core Values and partner with the team and across the organization to resolve
Ensure accuracy of data reflected in regular status reports to senior management, including status of team activities (product defects, Release Manager entries, status reports, risk reports, etc.)

Requirements
BS in Engineering or Science
Demonstrated expertise in one or more complex software products (Siebel or other, CRM related a plus)
Managed off shore and on shore team necessary - remote management.
Knowledge & Understanding of OS (Windows & UNIX) and databases (Oracle, DB2, MSSQL)
Prior programming experience in C/C++ /Java.
15% travel