Kushal G Loya

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SUMMARY

A well-rounded architect and developer with 10+ years of experience, unmatched passion and skills to go with it. Resourceful, diligent, capable leader with proven ability to deliver.

SKILLS

- **Programming Languages**: Java, C/C++, Objective C, FORTRAN
- **Programming Paradigms**: OOP, AOP, Multithreaded, Generic, Declarative, Structured
- **Software Architectures**: SOA, REST, N-Tiered, Client-server, MVC, SOFEA
- **Software Platforms**: J2SE, J2EE, Mobile Web, Android, J2ME, BlackBerry, iOS
- **Frameworks and APIs**: Swing, Spring, Hibernate, JSF, Struts, UIX, Cocoa, JNI
- **Web Technologies**: HTTP, Cookies, HTML/XHTML, CSS, JavaScript, AJAX, Servlets, JSP, JSTL
- **XML Technologies**: XML, Namespaces, XSD, XSLT, XPath, XForms, DOM, SAX, StAX, JAXP, JAXB
- **Database Technologies**: SQL, Oracle, MySQL, SQL Server, JDBC
- **Test Automation**: JUnit, TestNG, EasyMock, JMock, Canoo WebTest, Fitnesse, Selenium
- **SCM and Build Tools**: Subversion, Perforce, ClearCase, StarTeam, Ant, Maven, Shell scripts

EXPERIENCE

Barnes & Noble, Palo Alto, CA   Dec 2009 – Present
Application Architect

Lead architect and developer for the content management applications (Library, Apps) on Android-based Nook color reader/tablet.

Redesigned the data model and download/sync components for the original Nook E-Ink reader to address integrity and stability issues and improve performance.

Rearden Commerce, Foster City, CA   Jul 2008 – Dec 2009
Principal Engineer

Lead developer on the Mobile Server team, in charge of ensuring a flexible and extensible architecture for the server component of Mobile Personal Assistant, a travel application for BlackBerry devices.

Effected significant design and implementation changes and delivered new features, including:
    Enhancements to application protocols to support timely updates in the pull model
    A backward compatibility layer to support multiple client versions and optional client updates
    A strategy to consistently handle errors and exceptions across the code base
    A data-driven functional test framework
    Core architecture of the web version of the travel application

Oracle, Redwood Shores, CA   Feb 2006 – Jun 2008
Senior Member of Technical Staff

Lead developer on the User Interface XML (UIX) – a J2EE-based web applications framework employed by Oracle E-Business Suite applications – maintenance team.

Managed UIX patch set and one-off delivery and ensured speedy defect resolutions.

Oracle, Denver, CO   Mar 2005 – Feb 2006
Senior Software Engineer

Instrumental in delivering the Change Assistant, a Swing application deployed via Java Web Start that allows JD Edwards EnterpriseOne customers to efficiently analyze, download and manage software updates.

Designed and implemented core Change Assistant features and functionality: HTTP authentication and state management, partial content request and handling, advanced search, pre-configured and custom queries for enhanced productivity, simultaneous downloads and error recovery, analytics, etc.

PeopleSoft (acquired by Oracle)**,** Denver, CO   Jul 2003 – Feb 2005
Senior Programmer/Analyst

Laid the foundation for the Change Assistant application and designed and implemented reusable and extensible components with support for multithreading, multi-column sorting, printing, etc.

Helped simplify and automate the EnterpriseOne mastering process by employing Ant scripts in combination with a Swing GUI interface that leveraged Ant APIs.

J.D. Edwards (acquired by PeopleSoft)**,** Denver, CO   Aug 2000 – Jul 2003
Programmer/Analyst

Part of the cross-functional team involved in creating tools to enhance the JD Edwards OneWorld enterprise software upgrade process.

Employed core Java, XML and database technologies along with C and JNI to build a variety of tools to verify minimum technical requirements for installing OneWorld, to deliver database changes via software updates, to enable performing impact analysis of a software update prior to installation, etc.

University of Nebraska-Lincoln, Lincoln, NE   Aug 1998 – May 2000
Graduate Research Assistant

Under the guidance of the advisor, developed a coupled Boundary Element – Finite Element Method to analyze soil-structure interaction problems. Implemented the method in C++.

EDUCATION

University of Nebraska-Lincoln, Lincoln, NE   Aug 1998 – Aug 2000
Master of Science in Civil Engineering

Indian Institute of Technology Bombay, Mumbai, India   Jul 1994 – Jul 1998
Bachelor of Technology in Civil Engineering