Nandita Bharadwaj

Currently looking for work, Was Senior Design Engineer at GE Healthcare

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Summary

Goal: Work for a company in a technical role.

• Professional IT experience of nearly 6 years, with strong analytical skills and broad range of computer expertise.
• Experience in full life cycle system development (SDLC) involving system design, development, unit testing, documentation, implementation & maintenance of application software.
• An effective problem-solver, able to quickly grasp complex systems and identify opportunities for improvements and resolution of critical issues.
• Strengths include quick learning, adaptability, team work, and excellent interpersonal and communication skills.

Specialties: •Language: Core Java,XML,Web services,PHP,HTML
•Design:OOAD,design patterns,familiar with UML
•Database:PL/SQL,& knowledgeable in Oracle,Sybase
• OS:Worked on Windows NT,XP,Unix & Linux
• GUI:Swing
• Application Servers:Orion,Tomcat
• Tools/Middleware:JAXM,JAXB,JAXP,DOM,SAAJ, JNI,JAAS,Rational Rose,XMLSpy,Eclipse,Jprofiler, DOORS,Frontpage 2000,PVCS Tracker,Flash 5,Xara web Style,Photoshop,MS Excel,MS Word,ANT,Illustrator
•Versioning tools:Clearcase,WinCVS

Experience

Senior Design Engineer at GE Healthcare
January 2007 - June 2008 (1 year 6 months)

  Cross Business Workflow (CBW): CrosCBW is a workflow project which aims at integrating two applications PACS from Dynamic Imaging and AWE 3D component. -Responsible for the front-end applications integration.

  OEC (GE healthcare Surgery) assignment (Salt Lake City, Utah, USA): Challenging assignment to support OEC team for their FDA re-audit- understanding the OEC quality process, completed tool-validation of 2 tools to comply to FDA norms.

Union Jack (UJ) Spine: 'Spine' is a component, which adds security features (authentication, authorization with access control on specific actions) to Centricity PACs. It's a software interface developed between the National Health Services (NHS of UK) webservices and PACS to provide better integration.

Responsible for MT – Middle Tier (MT) of Spine.

1. Owned and successfully completed on-time implementation of HL7 messaging of Message Handling Service (MHS) (from scratch) which is a part of Union Jack (UJ), a $500 million time-critical UK PACS program.

2. Completed the scrum and main releases of MHS deliverables on-time which helped other subsystems to test this critical feature on-time as per program plan. In order to achieve this-

• Integrated the authentication model of PACS to JAAS framework.

• Efficiently interacted with National Health Service (NHS) of UK for better understanding of Spine interface.

• Upgraded from Axis Beta to Axis 1.4 on the Application Server, Orion and clients

• Developed a prototype using Java APIs like JAXM, JAXP, JAXB, XMLSpy

•Worked closely with global Engineering teams in development and design activities.

•Designed the component with Rational Rose

•Actively learnt HL7v 3.0 a& developed a full – fledged component on HL7 (Health Level Standard).

•Developed test cases & unit tested the modules.

•Involved in integration testing.

•Solved critical issues through team work and can-do attitude.

Platform: 3-tier model on Solaris and UNIX platforms with Sybase as database.

Design Engineer at GE Healthcare
January 2006 - January 2007 (1 year 1 month)

Centricity-2-Centricity Component:

• Learnt about the vast client based applications and architecture of PACs through training and self-learning.

• Fixed subsequent number of bugs, sufficient to understand the product, domain and design of the sub system.

• Helped the DAS team for performance measurement with Jprofiler.

Software Engineer at Datacard
April 2004 - January 2006 (1 year 10 months)

Syntera:

• Designed and developed numerous GUI using Core Java, Swing.

• Efficiently re-factored the IPS component.

• Developed toggle between two windows using JNI.

• Dealt with major issues with Swing and multithreading.

- Created numerous prototypes.
- Effectively used Singleton, Observer design patterns to code.
- Successfully solved memory issues and performance issues.
- Participated in performance testing and analyzing performance of the IPS component.
- Measured performance using JPurifier.
- Effectively followed QSI rules for quality management.

Software Consultant at Datacard
December 2003 - April 2004 (5 months)

Maxsys: Maxsys, like Syntera is also a Card Issuance System, but a stand-alone system.

- Actively worked as a front-end developer with Core Java, Swing
- Dealt with internationalization of the application.
- Used XML as a cache for the intermittent data.

Platform: Java technologies on Windows platform, Core Java, Swing, XML, CORBA, DB2

Project Assistant
August 2002 - December 2003 (1 year 5 months)

Project Trainee, CFTRI (Central Food Technological Research Institute), India.   (Aug'02-Dec'03)

- Created web pages with search option, some with frames and forms, some with database access, some with mail function incorporated to send email notification. Have created numerous web pages, which require designing and developmental skills.
- Maintained an Internet based Library Management System – developed with PHP and MySQL.
- Developed a network monitor system, which would monitor the systems for any network problems.

Platform: Used PHP, HTML, JavaScript to develop and maintain some Web applications. Actively used tools like Xara Webstyle 3, Photoshop and Flash for web designing. Web related files were hosted on UNIX platform.

Project at Union Pacific Railroad
April 2001 - September 2001 (6 months)

Automation of digital certificates - Union Pacific Corporation, Omaha, NE - USA.   (Feb'01 – June'01)

The result of the project was digital certificates created for users in a company environment on a large scale.

- Successfully learnt the Security Interface provided by the company.
- Developed a GUI with Java Swing, created certificates through Java-Security API and Entrust toolkit provided by the company.
- The project helped us to learn Java and the use of Public Key Encryption (PKI).

Platform: Windows 98 platform.

Education
Ohlone College
Certificate in Multimedia, Multimedia, Web design and Animation, 2009 - 2011
University of Mysore
BE, Computer Science, 1997 - 2001

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