Liferay Team Lead

ABHINAO SHRIVASTAVA

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Snapshot

☞ A result-oriented professional with around 12 years and 10 months of experience in the area of Software design and Development.

☞ *Presently associated with Unisys Global Services India Pvt. Ltd. As Technology Architect.*

☞ Adroit at analyzing information system needs, evaluating end-user requirements, custom designing solutions, troubleshooting for the web applications and presentations.

☞ Expertise in the field of Java/ J2EE Technologies.

☞ Possess an excellent knowledge of the Server Technologies such as Java, EJB, Struts, Portal, Mashups.

☞ Exposure of working with application servers such as JBOSS,Tomcat, Weblogic.

☞ Exposure to performance tuning of applications/App. Servers.

☞ Participated in selection of product evaluation and selection.

☞ Expertise in Liferay Portal Server.

☞ Technologically oriented with hands on experience in programming skills, client-server infrastructure, requirements gathering, application integration and customization.

Technical Skills

Operating Systems	: Windows, Linux
Databases	: SQL Server 2005/2008, Oracle.

Technologies

Java Technologies	: J2SE, J2EE, Web Services, Servlets/ JSP
Web Server	: Apache Server
App Servers	: Weblogic 8.1 Server, JBOSS 4.2, Tomcat 6/7
Other skills/ tools other tools.	: Object oriented design and pattern implementation of software using UML and
	Rational Rose, XML , Eclipse for development
Frameworks	: Struts Framework
Proficiency	: JDK 6, Servlets, JSP, EJB , XML, J2EE, Oracle, C, C++.
Mashup Server	: Jackbe Mashup Server 2.7.0/3.2
Portal Server	: Liferay Portal Server 5.23/6.1.x.
Profiling tools	: Jconsole,Visual VM, App Dynamics.

Functional

☞ Working on architecture for Mobile web application development.

☞ Created the architecture for the migration project from liferay 5.2.3 to Liferay 6.1.2

☞ Evaluating and selection of technology and tools for development of product e.g. (Jackbe Mashup Server, AppDynamics Monirtoring).

☞ Experience with setup and fine tuning of the environment for optimum performance.

☞ Interacting with the client for system study, requirements gathering, analysis and scoping.

☞ Architect & design the solution for the project.

☞ Setting up process and monitoring for the development.

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☞ Leading and managing team in various phases of application development.

Employment Profile

June'09- till Date	Unisys India Pvt. Ltd.	Technical Architect
Apr'08-June09	Cognizant Technologies Pvt. Ltd.	Technology Specialist
Nov'05-Apr'08	Oracle India Pvt. Ltd.	Senior Software Engineer
Jun'04-Nov'05	Covansys	Software Associate
Jul'03-Jun'04	Nihilent Technologies Pvt. Ltd., Pune	Consultant
Sep'00-Jun'03	IOPSIS Software's Pvt. Ltd.	Senior Software Engineer
Mar'00-Aug'00	C-DAC (ACTS)	Engineer Trainee in Development

Projects Handled

Title	: *Liferay Migration*

Duration   : February 2012 – Till Date

Description   : The portal is part of Unisys's go to market strategy. This project is for migrating from the current version 5.2.3 to Liferay 6 GA2. This is a very important project for Unisys since the portal's upgrade will allow the team to build a new generation of portal.

- Migrate all the portlets to the new version of liferay portal.
- Migrate the themes to the new version of the liferay portal.
- Migrating the database to the latest version of liferay.
- Performance tuning the portal for same or better performance that the current portal.

Environment   : Windows2008 64 bit, Liferay Portal Server6.1 GA2, JDK 1.6, Tomcat 7.0 application server,MSSQL server 2008, Jackbe Mashup Server 3.2.0.

Role   : I have been involved in the development from the start and have played different roles at times to fulfill the requirement. My Role involves the following:

➔ Work as an Architect for the project.
➔ Provided the high level and low level design to the team.
➔ Participate in the defining the requirement for the product release.
➔ Installed and worked with the team to fine tune the development environment.
➔ Instrumental in fine tuning the performance of the portal using the analyzing tools like AppDynamics, Fiddler, Jconsole etc.
➔ Work with the team on daily to solve the technical issues faced by the team.
➔ Have been instrumental in defining the integration of the different system to the portal.

➔ Solved the performace issues by studying the thread dump and call graphs generated by the tools.
➔ Worked with the team to create innovative solution which involved fragmenting the migration code to migrate the images and knowledge base code.
➔ Evaluated the Data Comparer tool which helped immensely in migration.
➔ Fine tuned and recommended the caching and indexing solution for the portal.

Title	: *Unisys IMACD Mobility*

Duration : October 2012 – Till Date

Description : The portal is part of Unisys's go to market strategy. This is a very unique project driven by the problems faced by the Unisys deployment teams. The project involves automated deployment of operating systems (e.g. Windows 7.0) with a set of predefined as well as custom software. Some of the modules in the managed deployment include:

- A module to read to details of the client assets from the site.
- Allowing the managers from the client and Unisys to be able to select the configuration for the assets and approve them.
- Creating and updating incidents and requests on ITSM using the web services on ITSM.
- Asset Management to track the status of all the assets.

Environment : Windows2003 64 bit, Liferay Portal Server5.2.3, JDK 1.6, Tomcat 6.0 application server,MSSQL server 2005, MySQL, Jackbe Mashup Server 3.2.0, Android, Ios.

Role : I have been involved in the development from the start and have played different roles at times to fulfill the requirement. My Role involves the following:

➔ Work as an co-architect for the project.
➔ Provided the high/low level design to the team.
➔ Participate in the defining the requirement for the product release.
➔ Designed the portal to be configurable (highlight being the configurable theme).
➔ Installed and worked with the team to fine tune the development environment.
➔ Work with the team on daily to solve the technical issues faced by the team.
➔ Have been instrumental in defining the integration of the different system to the portal.

Title	: *Unisys Customer Portal*

Duration : June 2009 – Till Date

Description : The portal is part of Unisys's go to market strategy. The development of the portal is an ongoing activity. It is an entry point to the Unisys Cloud offering and also hosts the Virtual Help Desk offering provided by the Unisys to its customers. The environment is hosted on the Liferay Portal Server. The portal integrates to a host of systems via the web services, direct url, web clippings and Databases. Some of the systems that the portal integrates include BMC ITSM, BMC SRM, Alerts & Outages Database, Provisioning etc. The portal uses the mashup technology to achieve most of the integrations defined above. Apart from building the portal the effort has been mainly concentrated on making the portal more configurable where the portal can made available with the standard offering in quick time if all the other systems are in place. The portal also hosts a knowledge base which has been developed as part of the portal development effort.

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Environment : Windows2003 64 bit, Liferay Portal Server5.2.3, JDK 1.6, Tomcat 6.0 application server,MSSQL server 2005, MySQL, Jackbe Mashup Server 2.7.0.

Role : I have been involved in the development from the start and have played different roles at times to fulfill the requirement. My Role involves the following:

➔ Work as Lead Engineer/Architect for the project.
➔ Participate in the defining the requirement for the product release.
➔ Designed the portal to be configurable (highlight being the configurable theme).
➔ Evaluate and select the product(s). I was involved in the evaluation of the Jackbe mashup server.
➔ I have been involved in the development of the mashups and services on the Jackbe Mashup server.
➔ Installed and worked with the team to fine tune the development environment.
➔ Work with the team on daily to solve the technical issues faced by the team.
➔ Have been instrumental in defining the integration of the different system to the portal.
➔ Have been involved in building the portal system from the scratch including installing & configuring the servers and fine tuning the Application Servers, Web Servers etc.
➔ Co-ordinate with the requirement team on the BRDs for the clients.

Highlights :

➔ The major highlight of the development has been the design of the portal to be configurable this has resulted in lot of time saving.
➔ Designed the theme to be configurable after this the UI for a client can be designed in a matter of minutes. This has resulted in design of the portal very quickly. The company has won deals which have been gained because the portal has been designed in a matter of hours even from the support teams.
➔ Debugged the issues on the cloud and portal with the use of effective tools like AppDynamics and Jconsole.

Title	: *Knowledge Base*

Duration : December 2009 – Till Date

Description : This is a tool which is being developed in Unisys under my guidance to provide the clients a more cheaper and featured knowledge base. The tool has been developed as a portlet so that it can be made available as part of the portal to the clients. The major features of the knowledge base tool is:

• Allows the user to create knowledge base article based on the company.
• Understand the DOC book xml format which allows easy import of the articles from the existing tool used by Unisys.
• Work flow which allows the approver's to moderate the contents.
• The knowledge base tool has the facility to maintain versions of the articles and also allows for comparisons between versions.

Environment : Windows2003 64 bit, Liferay Portal Server5.2.3, JDK 1.6, Tomcat 6.0 application server,MSSQL server 2005, MySQL, Jackbe Mashup Server.

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Role   : I have been involved in the development from the start and have played different roles at times to fulfill the requirement. My Role involves the following:

- ➔ Work as an architect for the project.
- ➔ Participate in the defining the requirement for the product release.
- ➔ Designed the portal to be more configurable.
- ➔ Work with the team on daily to solve the technical issues faced by the team.
- ➔ Co-ordinate the development with the remotely located team.
- ➔ Introduce the new generation of search features like facets based search.
- ➔

Highlight   : The Knowledge base hosts more 30+ client's right who are actively using it. Which is resulting in nearly 1.5 million yearly savings.

Title	: **Portal Development with web 2.0 features**
Duration	: 14 months
Description	: There are two projects that have been finished. Please find the description below:

Environment   :Red Hat Linux , Liferay Portal Server,Java Development Kit 1.5, JBOSS Application Server, Oracle Database, Jasper reports.

Title	*:Ogilvy Truffles*

This was the second project taken up again from Ogilvy & Mather. Truffles is the internal application that Ogilvy uses and the project was a rewrite of that application to introduce web2.0 features for use of their employees. The basic requirement for this projects are listed below:

- ➔ Implement web 2.0 features such as Wiki, RSS, blogs, Personalization.
- ➔ The site should display content based on the authorization of the user.
- ➔ All the users should be able to customize the portal according to their needs basically facility to add & remove components.
- ➔ An integration with the reporting tool(we are using JASPER reports) which can generate the reports as required by the administrators.
- ➔ To publish the blogs & Wikis workflow has been implemented so that the administrator can review the blogs/Wiki requests and approve the same.
- ➔ The users should have the facility to create their own blogs and wikis as well as public blogs & wikis.
- ➔ The site should be RSS enabled allow the user to track the feeds subscribed to.
- ➔ The blogs, wikis should support multiple languages.

Title	*: Ogilvy Social Site*

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Ogilvy Blogs is a blogging platform to improve communication and Collaboration between Ogilvy and their clients

It primarily has two Websites.A public website - providing the Blogs and their contents with a feature to view and provide the comments by all the users and an administrative website - to create/manage the Blog content, Public Web site Look-n-feel, Style, layout and moderate the comments. This will be accessed only by the Ogilvy Content administrators, The mail features of the web site are:

➔ Role based authorization for Blog creation and administration (Access only for the Administrators)

➔ Single Sign on to Ogilvy's Enterprise Authentication service

➔ Provide Rich template customization features – Develop new themes, Skins, Layouts

➔ Personalization of the Web site - Ability to drag and drop and Customize the look and feel of the components

➔ Provide RSS Subscription capability to the Blogs.

➔ Provide clustering for the application and support clustering for the database.

Environment   : Windows 2000, Linux, Liferay Portal Server4.2, Java Development Kit 1.5, Jboss 4.2.2 Application Server, Oracle.

Title	: *3rd Party Queuing & Routing API (PSMCAPI)*
Duration	: 3 years
Description	:

➔ The PSMCAPI (PeopleSoft Multi Channel API) is a Java API developed to provide interface to the adapters like CISCO, GENESYS etc using which the adapter can interact with the PeopleSoft solutions.

➔ The PSMCAPI supports telephony, chat, email and generic channels as mode of communication to the adapters.

➔ All the services of the adapter are invoked by the PeopleSoft system in the form of requests and all the responses sent by the adapters are sent in the form of events.

Team size   : 10

Responsibility   :

➔ Independently handled the requirements gathering from our clients (CRM & switch owners).

➔ The development of functional design document and Technical design document and getting it reviewed and approved from the clients.

➔ Involved in the architecture and design on the API.

➔ The development of the API and developing the Junit test cases for the unit testing of the API.

➔ Developments of the API specifically chat, email and generic channels for PSMCAPI and enhancement of telephony.

➔ Assisted Genesys (switch vendor) in development of the switch based on the api.

➔ Developed the simulator for testing the API.

Environment   : Windows 2000, Linux 7.2, Java Development Kit 1.4 & 1.5, C++, WebLogic 8.1
Application   Server, Sql Server2000 & Oracle.

Title	: *REN SSL Implementation*
Client	: PeopleSoft Inc.
Duration	: 3 months

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Description   :

➔ The real time event notification server is the universal queuing and routing server for peoplesoft applications.

➔ The enterprises like banks, etc. need the transactions to be secure so it was decided that all the transaction be made SSL secure.

➔ Open SSL is included in the Peoplesoft suite to ensure the SSL enabled transactions.

Team size   : 6

Responsibility : Tracing through the code and figuring out the right places where modifications have to be   made for the SSL to work along with the PeopleSoft application.

Environment   : Windows 200, Linux 7.2, Java Development Kit 1.4, C++, WebLogic 8.1 Application Server,   Sql Server2000.

Title	: *Health Alert Network*

Clients   : State of Maine (USA) & State of Utah

Duration   : 9 months

Description   :

➔ Health Alert Network (HAN) establishes the communication, information, distance learning and organizational infrastructure for a new level of defense against health threats, including the possibility of bioterrorism.

Team size   : 6

Responsibility :

➔ The responsibilities included development of the design using the Rational design tool.

➔ Involved in investigating WebLogic Portal Server & Sun One Directory Server.

➔ Accountable for the development of Public Health Directory, Jive Integration with LDAP authentication.

Environment   : Windows NT 4.0, Linux 7.2, Java Development Kit 1.4, JSP, XML, WebLogic 8.1 Portal   Server, Oracle 9.1, Sun One Directory Server, Jive Software, Rational Rose 2000.

Title	: *HP DOT COM*

Client   : Hewlett-Packard

Duration   : 6 months

Description   :

- Hewlett-Packard our Client have a huge vendor and customer base, resulting in large number of hits on their site. This project was done to provide them with a High Performance Solution to their problems of slow data retrieval and Price calculation.

- This was done by making three Web Services: Get Models, Get Configuration and Get Price.

Team size   : 6

Responsibility :

➔ Involved in the design on Get Price and Get Models.

➔ Leading the Get Price Module.

➔ Acquiring knowledge of HP's proprietary Code.

➔ Writing "Wrappers" around HP's proprietary Code so as to extract product related information.

➔ Writing Get Price Configuration Beans and Wrappers to get Price.

➔ Responsible solely for developing "Validate Configuration" Web Service.

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➔ Writing the Beans Required for Get Models and Get Configuration.

Environment	: Windows NT 4.0, Java Development Kit 1.4, JSP, XML, EJB, Weblogic 5.1, SQL
Server	7.0, Java Cache Engine (JCS).

Title	: *HP Web Database Loader*
Client	: Hewlett-Packard
Duration	: 6 months
Description	:

➔ This project provides an interactive web based data entry tool to the vendors of Hewlett Packard.

➔ The tool is designed for the vendors of HP so that they can store data into the HP database online.

➔ The project uses the Apache Struts Implementation of the MVC architecture.

Team Size	: 3
Responsibility	: Writing code for Model Component that is the Beans for interacting with the
Database and	coordinating the Project.
Environment	: WindowsNT4.0, Java Development Kit 1.3.1, JSP, Java Beans, EJB (Weblogic 5.1),
Apache	Struts, SQL Server 7

Title	: *HP Financial Services*
Client	: Hewlett-Packard
Duration	: 3 months
Description	:

➔ This project is a Stock Service meant for providing online stock status of the companies'. The user can view the selected stock exchange. Currently the application supports NYSE and NASDAQ only.

➔ The application also allows the user to add any particular stocks to the favorite list, which can be viewed later with latest quote of that particular stock.

➔ The Quotes selected are updated every 30 seconds. The application also provides security by assigning username and password to the user.

➔ The Special feature of this project is that the User Interface has been built using .Net and the EJBs. .Net interacts through the use of SOAP with each other.

Team Size	: 2
Responsibility	: Working on the Design of the Enterprise Beans and writing code for session
Beans and	entity and integrating it with the SOAP call and testing the
application.	
Environment	: WindowsNT4.0, Java Development Kit 1.3.1, XML, EJB, Weblogic 6.1, Apache
Soap 2.2,	SQL Server 7, Windows .Net.

Title	: *HP One World*
Client	: Hewlett-Packard
Duration	: 16 months
Description	: HP site supports large number of different users (vendors and customers). For
vendors, HP	has a secured site and for customers, the eCommerce site
(http://www.hpshopping.com).	
Team size	: 6
Responsibility	:

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➔ Acquiring knowledge of HP's proprietary code.
➔ Writing "wrappers" around HP's proprietary code so as to extract product related information.
➔ Writing product catalog beans to extract product information.
➔ Writing validate configuration beans and wrappers to validate the information provided by the user.
➔ Responsible solely for developing "validate configuration" web service.
➔ Writing place order beans to store the user specific information through enterprise java beans (EJB's).
➔ Analyzed, designed, developed a tool for HP for the regular updation/ addition/ deletion of the model related information into the database.

Environment   : Windows NT 4.0, Java Development Kit 1.3, JSP, XML, EJB, Weblogic 5.1, SQL Server 7.0

Title	: IBUS

Duration   : 4 months

Description   :

➔ The tool acts to save the normal user from the complex deployment process of application server and also to provide remote deployment for the user.
➔ The tool currently works for Websphere 3.5, it basically acts on behalf of the user to and completes all the functions required to deploy a bean, deploy servlets, deploy JSP, make database connection programmatically.
➔ The tool works by asking the user the functionality to be performed and accepting the basic inputs required to complete the task specified by the user.
➔ After the user has specified the location of the remote websphere it connects to that remote which can be any location whether in the network or on Net and after downloading the required files into proper locations generates TCL scripts so that the operation specified can be executed .

Team Size   : 3

Environment   : Windows NT 4.0, Java Development Kit 1.3(JDK, EJB), XML, EJB, Websphere 3.5

Title	: PWD site development

Client   : Public Works Department, Maharashtra

Duration   : 4 months

Description   :

➔ This project was done to enable online rest house reservation system.
➔ The Clients: Public Works Department (PWD) then used to book the rest houses manually and that caused a lot of confusion for them as they are located at far off places, so as part of computerization of PWD   the rest house reservations were computerized and internet enabled it.
➔ The site was available for all PWD headquarters for booking the Rest House and once the rest house is booked the same room cannot be booked again.
➔ The site also had features like online cancellation, enquiry for empty rooms, etc.

Team Size   : 2

Responsibility   : Writing servlets for database interaction and enhancing the site as required.

Environment   : Windows NT 4.0, Java Development Kit 1.2.2, JSP, XML, EJB, Weblogic 5.1, SQL Server 7.0

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Title	: *Works Management System*
Client	: Public Works Department (Maharashtra)
Duration	: 2 months
Description	:

- ➔ The Public Works Department (PWD), our client had to a lot of manual work in their works section.
- ➔ The tasks involved, preparing the whole estimates, making huge calculations, preparing proposals for tenders etc. So this Software was built to manage all these tasks online.
- ➔ The Software had facilities, to prepare the estimate automatically as the data was entered into the software.
- ➔ The user also could print the estimate in the specified format. The tender placing was made easy too by allowing the user to directly place tender online & make a bid online too.

Team Size	: 8
Responsibility	: Developing and maintaining the system.
Environment	: Windows NT 4.0, Power Builder 6.0, SQL Server 7.0

Academic Projects

Title	: *HR Management System*
Role	: Coding and implementation
Tools	: VB and SQL Server

Title	: *Inventory Management*
Role	: Coding and implementation
Tools	: FoxPro 2.6

Academic Credentials

- ➲ MCA (DOEACC 'B' Level) Recognized by Govt. Of India as equivalent to MCA
- ➲ Diploma in Advanced computing (C-DAC) Nagpur (Soft Polynomials) in 2000.
- ➲ A level from the Department of Electronics (DOEACC) in 2000.
- ➲ Diploma in Electronics & Telecommunication Durg (C.G.) (Govt. Polytechnic) in 1997.

Reward and Recognition

- ➲ Awarded for outstanding contribution in the team.
- ➲ Awarded the Individual Contributor Award design & development initiative and contribution in Unisys.
- ➲ Was mentioned in the Spotlight of the Unisys magazine for my contribution in the design the development effort for the Knowledge Management.
- ➲ Awarded the Best Performer for my design & development initiative and contribution in Oracle.

Other Qualifications

- ➲ Brain Bench Certified for Java 1.2 in 2000.
- ➲ Sun Certified Java Programmer in 2000.

Personal Details

Date of Birth	: 20th February, 1975

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