LAKSHMANA RAO

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SUMMARY

* Over 12+ years of experience in software architecture, design, development, testing, mentoring junior developers and maintenance of complex applications using Flex/Flash, Java/J2EE, Objective-C/Swift technologies as well as frameworks
* Extensive experience in iOS application design and implementation using Objective-C/Swift.
* Expertise in developing applications for android operating system using Eclipse IDE, Java, XML, Android SDK and ADT plugin
* Experienced in all aspects of iPhone, iPad and iPad Mini application development, iOS Provisioning Portal and the processes involved including designing for all types of screen sizes and orientations.
* Extensive experience in executing the projects using onsite offshore model.
* Good knowledge on Swift programming.
* Expertise on web services (SOAP, WSDL, UDDI) involving J2EE and SOA technologies based projects.
* Strong understanding of managing Development Certificate, Creating App IDs, Assigning Devices, provisioning portal, Installing Development Provisioning Profiles SSL certification for push notification and iTunes connect for deploying applications to the app store.
* Ability to perform Analyzing tool to debug and perform memory management.
* Proficient in using Instruments for memory leaks/ memory management and performance analysis.
* Experience involving entire Software Development Life Cycle (SDLC) including identification of business needs & constraints, collection of requirements, Impact Analysis, implementation, coding, code review, testing, deployment and maintenance.
* Expertise in creating UML (Unified Modeling Language) diagrams following RUP process using Rational Suite and modeling tools like IBM Rational Software Architect, IBM Rational Software Modeler, IBM Rational Rose, and MS Visio.
* Strong exposure working with J2EE design patterns like MVC, Value Object, Singleton, Front Controller and Data Access Objects.
* Successful implementation of SOA with SOAP based Web services to communicate between systems
* Expertise working with frameworks & technologies like Objective-C, C++, Core Java, Swing, JSPs, Servlets, EJBs, JDBC, Angular JS, Struts, Spring (including Web Flow), Adobe AIR, Adobe FLEX, Adobe FLASH, ActionScript, EJB, JPA, Hibernate, iBatis, Java Mail, Quartz, JAXB, JAXP, JSTL, JSF, XCode, FlashBuilder4.
* Experience in integrating BlazeDS/LCDS with existing J2EE Application.
* Experience in advanced graphing, charting and dashboard.
* Experience working with front-end technologies like XML, SenchaTouch, HTML/HTML5, DHTML, CSS, JavaScript, JQuery, JSON, Angular JS and AJAX.
* Expertise working on Application servers, Web servers, and IDEs like IBM WebSphere, IntelliJ IDEA, WAS, IBM RAD, BEA WebLogic, IBM WebSphere Portal, Oracle Application Server, JBOSS and Apache Tomcat, JBuilder, RAD, WSAD, NetBeans IDE, Eclipse, SunOne, OC4J, Flex Builder, FlashBuilder4, Sun JCAPS etc.
* Experience working with protocols like VOIP, SIP, TCP/IP, HTTP, LDAP, Active Directory, SMTP, IMAP and also worked on RMI (Remote Method Invocation).
* Knowledge on Flash Security Sandbox model
* Good understanding for flex frameworks like Swiz, Robotlegs, Mate, PureMVC.
* Experience in integrating Netegrity Site Minder authentication.
* Expertise in DB queries, stored procedures and triggers using SQL\*Plus, PL/SQL.
* Strong working knowledge on Mule ESB and scripting languages like Shell etc.
* Knowledge on networking programming like Socket Programming in Java
* Expertise in creating, programming, tuning on different databases like Oracle9i/10g using TOAD tool, MS SQL Server (including SQL Loader, Profiler).
* Experience in analysis & design using UML (Rational Rose).
* Expertise on handling all kinds of Configuration Management activities such as to build and deploy the EAR and even resolve the issues related to configuration.
* Experience working with Portlets (JSR168) on the Portal Environments.
* Involved in configuring JVM, Heap, and Stack Overflow and memory leaks.
* Expertise working on UNIX Shell Scripts ANT, Dojo and JUnit (including TDD).
* Excellent communication and interpersonal skills combined with Client relation skills.

TECHNICAL SKILS

**Languages**  Core Java, C, C++, SQL, PL/SQL, Objective-C, Swift

J2EE JSP, Servlets, EJBs, Struts, Hibernate, Spring, iBatis, Quartz, iText,

JProfiler, JavaBeans, EJB, JDBC, JNDI, AJAX, JSTL, JAXB, JSF, RUP, JMS

(IMAP/WCAP), i18n, ANT, JUnit, MQ Series, RMI, JSR 168 Portlet, Portals, Ant, Dojo,

GWT, Mule ESB, JDOM, JAX-RPC, Java Mail, Swing, JPA, Apache Pluto, ActionScript,

Adobe Flex/Flash, Adobe AIR, JQuery, Andriod SDK, ADT Plugin, SenchaTouch

Servers & IDEs Eclipse, JBuilder, NetBeans, IntelliJ IDEA, Apache Tomcat, WSAD, Oracle

Application Server, WAS, IBM WebSphere MQSeries, IBM RAD, BEA WebLogic,

Adobe Flex, SunOne, JBuilder, JBOSS, Maven, Active Directory, Flex Builder,

BlazeDS/LCDS, FlexBuilder, FlashBuilder4, Mule Studio IDE, SourceTree, XCode

Markup languages/Scripts XML, XSD, XSLT, DTD, DOM, HTML/HTML5, DHTML, SAML, JavaScript, JSON,

CSS, Unix Shell scripts, UML, RUP, AngularJS, Node.js, Grunt, Bower

Database MS SQL Server, Oracle using tool Toad, DB2, MySQL, Sybase  
Modeling Tools IBM Rational Rose, MS Visio  
Protocols TCP/IP, TELNET, HTTP, HTTPS, SMTP, LDAP, IMAP

Web Services SOA, SOAP, WSDL, XSD, Mule ESB  
Version Controls CVS, VSS, SVN, GitHub  
Operating Systems Win 2000, Win NT, Win XP, UNIX, AIX, Linux, Sun Solaris

PROFESSIONAL EXPERIENCE

Vanguard, Charlotte, NC July 15 – Till date

Tech Lead / Mobile Developer

Involved in resolving some complex UI screens related to Retirement Readiness Investment Plan Application called RRI tool mainly involves getting data from DB2 database and change their contributions based on participant plan. Mainly consists of few screens like landing page to see the graph that involved what we may have, what you may need, surplus, shortfall and so on, and then step1/2/3 and finally modeling page. Also participant can change the retirement age values based on the input to see how the estimates refreshes the graph dynamically based on the calculations according to their plan.

Responsibilities:

* Analyzing Business Requirements Documents, Identifying technical challenges and finalizing technical stack, which suits for the requirement.
* Create and evolve rich, compelling mobile iOS applications using Swift
* Followed the agile methodology for implementing the project.
* Attending weekly/monthly calls to discuss about the work progress.
* Giving estimates for the scheduled releases based on the requirement.
* Participating in Knowledge Sharing Sessions with in team.
* Ability to perform Analyzing tool to debug and perform memory management.
* Proficient in using Instruments for memory leaks/ memory management and performance analysis.
* Involved in iOS performance testing and Functional tests.
* Work from UI/UX requirements and mockups to build functional, high-performance iPhone and iPad apps using Swift language
* Proficient in creating custom UI controls, designing protocols, implementing delegate interfaces, and performance optimization using Swift
* Took care of Code Review, Code Fixes and bug Fixes.
* Created SSL certification for push notifications.
* App store Submission: Created development certificates and provisioning profiles for the app to run on the device and submit the app to the app store.
* Used XML parser, JSON to retrieve data for display on the iPhone/iPad from server using RESTFUL Web Services.
* Good understanding on how to implement social web sites into iOS App
* Documented project requirements, API design and implementation, API Developer Guide and iPhone App Developer Guide.

Environment: Jenkins, Agile, Rally, SVN, AngularJS, HTML5/CSS/CSS3, JQuery, JavaScript, DB2, Java/J2EE, Spring, JPA, Apache, JAX-RS, Oracle, Struts2, EJB, WebStorm, STS, NodeJS, Grunt, ExpressJS, Bower, XCode, Swift/Objective-C, Android

Pearson Education, Hudson St, NYC Jul 13 – June 15

Senior Java /J2EE/Mobile Developer

Implemented K1-app for both Kindergarten & Grade 1 schools (both ELA/MATH Subjects). Implemented different UI screens which includes Grade Selection View, Todays view (which consists of different types of assets, Media library, Global Navigation Bar (Home/MediaLibrary/Canvas/ConceptCorner), System Tray. This app will be configured based on teacher or student. Also iOS app will be available for both offline/online scenarios too and auto sync/sharing functionality too when the device will become online.

Responsibilities:

* Involved in requirement gathering and outlining
* Followed Agile Methodology for implementing the project and used Rally for updating status related to user story and defects.
* Made decisions on layout design and modifications
* Worked with UI team to design custom views, view transitions, animations for screens
* Use AutoLayout feature to adapt UIs to different rotations and screen sizes for universal app.
* Used XML parser, JSON to retrieve data for display on the iPhone/iPad from server using Restful WebServices.
* Used XCode 6.0 and Storyboards to develop the screens for the application using MVC design pattern.
* Coordinated with Configuration Manager for continuous integration using Jenkins Server for generating .ipa file
* Testing included emulator and device testing with iPhone, iPad, and iPod Touch with iOS 5.0 and later.
* Worked on redesign of the app home screen that demanded heavy use of UITabBar, UINavigationView, and UITableView controllers.
* Integrate Unity 3D animation into the existing framework
* Used X-Works framework along with Spring and Struts framework for writing the UI and business logic. Used setter injections to configure the beans in the Spring XML.
* For analytics used Interceptors as well as customer interceptors to intercept every request for an web application.
* Reading, saving, updating, deleting values in SQLite.
* Used JMS for asynchronous communication with various external applications
* Fixed the crashes/bugs reported by QA and memory management by removing memory leaks and memory warnings
* Involved in iOS performance testing and Functional tests.
* Used NSURLConnection object to provide support to perform the loading of a URL request
* Developed Custom Camera Control and Crop Image controller.
* Involved in developing WebServices for the backend as the application which makes call.
* Used Github for version control
* Created SSL certifications for push notifications.
* Took care of Code Review, Code Fixes and bug Fixes.
* Actively participated in deployment process.

Environment: XCode, Struts, Java/J2EE, Spring, MySQL, Github, Jenkins, Agile, Mac OS X, Unity 3D, Objective-C, iOS7.0, Rally, SourceTree,, JMS, NetBeans, GlassFish AS, GitHub, Instruments

Pearson Education, Old Tappan, NJ Jan 13 – Jun 13

Senior Java/J2EE/Mobile Developer

This iOS project is Pearson’s Enterprise Management Systems; it is an internal iOS app to manage the device downloads on iPad that are used in various schools across US.

Responsibilities:

* Worked on creating controllers and filters that are custom to specific requirements.
* Attending daily scrum meetings and working on completion of User Stories in Sprints.
* Used dependency injection to inject services for the Rest Client and custom services.
* Creating AngularJS templates that can be loaded using partials in AngularJS.
* Created custom directive as per the app requirements.
* Used different AngularJS packages as dependencies like angular-bootstrap, angular-route, angular-resource etc.
* Developed angular components to consume data services from web server, using $http, $q etc.
* Installed AngularJS plugin into NetBeans IDE.
* Creating responsive custom attributes for Breakpoints in the app using $emit, $broadcast, $on, $timeout.
* Created Event Handlers as per the need task.
* Making sure it works properly on latest browsers of Internet explorer, chrome, and FireFox.
* Used GitHub as the version control tool.
* Worked on creating web pages and modifying them according to the design specifications.
* Using Batarang, Scope Inspector and responsiveness measuring tools while developing.
* Developed Stored procedures, analyze performance issues for SQL queries using MySQL Server
* Used server side spring framework and Hibernate for Object relational mapping.
* Creating custom directives for Responsive images, Responsive Text, Responsive item lists using $window, $watch, $log properties in Angular JS.
* Integrated with devices' camera to capture user's face, and use thread to call other Android Intert
* Using XCode to wrap Angular JS into UIWebView component and deploy to iPad for end-user testing.

Environment: Objective-C, XCode, AngularJS, Node.js, HTML5, Bootstrap, SenchaTouch, AngularJS Scope Inspector, SourceTree, AJAX, JQuery, Android SDK, ADT plugin, Java/J2EE, Spring, Hibernate, MySQL, NetBeans, iOS, Instruments

Pearson Education, Old Tappan, NJ Dec 11 – Dec 12

Senior Java/J2EE/Mobile Developer

Developed 2-12 iOS mobile app using Adobe Flex, Java/J2EE technologies as well as latest frameworks. Implemented various screens related to showing Grade Selection, Unit Browser, Unit Preview, lesson Browser view based on episode/unit, lesson preview, lesson view and also involved canvas screen so that user can add assets on the Canvas as well as drawing functionality. Also involved in parsing ePub content as well as displaying external content in UI for interactive as well as videos.

Responsibilities

* Communicate with Business Analyst for getting system requirements and implement using Agile Scrum methodology.
* Used Cairngorm architecture for connecting to Java code at back-end.
* Developed front-end code using FlashBuilder4.0
* Used BlazeDS for connecting to data services in Flex.
* Used Struts validation framework for performing front-end validations.
* Developed ActionForm classes, Form beans, Action Classes using Struts.
* Developed DAOs interfaces for hibernate to interact with the database.
* Implemented Restful Service using HttpService
* Developed features that dynamically added UI components as well binding and validators for some UI screens
* Deployed Adobe AIR app as an .ipa file on iPad tablet
* Developed WebServices for the backend as the application which makes call.
* Used MySQL for connecting to backend database.
* Conducted code reviews, wrote unit test cases and did unit test using FlexUnit.
* Used GitHub for Version Control

Environment: Objective-C, XCode, FlashBuilder, Java/J2EE, MySQL, Struts, BlazeDS, Spring, Hibernate, ActionScript, Ant, Unix, MXML, Agile Scrum, JSP/Servlets, GitHub, SourceTree

Travelers, Hartford, CT Apr 11 – Nov 11

Senior Flex/Java Developer

Developed Command Center dashboard web application implemented using Flex, Java/J2EE technologies as well as frameworks that cater to business and IT executives and staff for effectively monitoring, analyzing and reporting the most current information about how the applications are performing to serve our business and drive results. The information is continually updated and presented in a manner and style that is intuitive, interactive, and rich in graphics. Mainly consists of four modules: Business View, Technical View, Operations View and Archive View

Business View -> A set of perspectives reporting the business activity and results for the current day.

Technical View -> A set of views for recently executed transactions from various technical aspects such as volume,

performance, failures and tracking of transactions.

Operations View -> A more detailed look at the business operations for the current day.

Archive View -> Look back at past reports ranging from Jan 2010 through today.

Responsibilities

* Developed chart components (i.e., ActivityGuage, Funnel, Map\_Series which is configured as XML) using AnyChart Flex Component
* Implemented different flex chart components like BubbleChart, BarChart, ColumnChart, AreaChart, CartesianChart, PlotChart and LineChart
* Developed Spring MVC for connecting to different views based on user request.
* Implemented Inversion of Control / Dependency Injection using Swiz framework.
* Developed Spring web service for event logging and publish it to the client those who consume this service.
* Consumed event logging web service into command center for logging events into the database using Spring AOP, web service client for testing as well as used WebService component in Flex to consume the event logging service into command center database
* Worked on creating Adobe Flex custom components for the application
* Implemented Caching methodology and create a new thread to update the cache based on the interval with the cache key
* Implemented Spring Asynchronous call and update the event log data to the database
* Developed SOAP requests with XML for testing the web service using AJAX with JQuery and get the response back and also used SOAP UI for getting SOAP responses for testing purposes.
* Profiling heap memory code for the application to prevent OOM and send an email to the parties whenever JVM reaches more than 90% for performance issues.
* Implemented Query Profiler using Method Interceptor for the application to see how many milliseconds the query executes and updated to log for logging purpose.
* Developed Stored procedures, analyze performance issues for SQL queries using MS SQL Server
* Analyze heap memory issues using visualVM
* Setting up the build environment Ant Scripts
* Implemented Log4J for logging Debug, info, error and fatal messages
* Deployed the application to JBOSS using CruiseControl
* Used SVN repository for version control
* Used IntelliJ IDEA IDE for developing the application
* Used FlashBuilder IDE for developing flex application

Environment: Adobe FlashBuilder4, Spring 3.0, IntelliJ IDEA 10, MS SQL Server 2005, JDK 1.6, Swiz 1.0, SOAP, WSDL, XSD, AJAX, JQuery, JavaScript, HTML5, JSP, SOAP UI, visual VM, Ant, Log4J, SVN, CruiseControl, JBOSS 5.0, Tomcat 6.0, BlazeDS

StreamSage/Comcast T &PD, Mc Phearson Sq, Washington DC Apr 10 – Mar 11

Senior Flex/Java Developer

Developed Video based application using Flash/Flex technologies for MyNews and PBVOD Simulator application and also enhancement for Ingest manager for sports application using Java/J2EE, Quartz, Struts, Spring and Hibernate.

Responsibilities

* Use Agile / Scrum methodology and work on design, coding and unit testing.
* Understand the working of the application and provide support on various enhancements and bug fixes.
* Gather requirement for the application, design Process, System. Analyze and develop accordingly.
* Implemented Various Design Patterns like Factory, Singleton, ServiceLocator, MVC, DAO, SessionFacade etc.,
* Integrate Struts, Spring, Quartz & Hibernate for scheduling ingest process for sports data.
* Used JQuery for client side JavaScript.
* Work to resolve various issues and work around known bugs in Flex.
* Created Flash components and deployed it as .swc file to use in Flex application.
* Used Cairngorm architecture for connecting to Java code at back-end.
* Used BlazeDS for connecting to data services in Flex.
* Used Struts validation framework for performing front end validations.
* Developed ActionForm classes, Form beans, Action Classes using Struts.
* Developed DAOs interfaces for hibernate to interact with the database.
* Deployed Adobe AIR application for PBVOD Simulator
* Implemented Restful Service using HttpService
* Worked on the creating custom components for the application.
* Used JAXP to parse and transform XML documents using an API.
* Consumed Web services for getting categories, topics and clips as well as searching for clips.
* Used FireBug for debugging CSS, HTML & JQuery/JavaScript Code
* Used MySQL for connecting to backend database.
* Involved in writing SQL Queries, Stored procedures, triggers and functions.
* Used Flash Media Server for streaming videos for clips as well as live stream.
* Fixed the bugs for Ingest manager and enhance new file upload mechanism.
* Used CVS for version control
* Used Log4J for logging Debug, info, error and fatal messages.
* Conducted code reviews, wrote unit test cases and did unit test using FlexUnit.

Environment: FlashBuilder, Adobe Flash Professional CS4/CS5, Adobe AIR, ActionScript, HTML, CSS, Java/J2EE, JavaScript, JSP, Restful, SOAP, WSDL, XML, Web services, Quartz, AJAX, Struts, Spring, Hibernate, JPA, ANT, CVS, FlexUnit, WebLogic, MySQL, JQuery, BlazeDS, FMS, FireBug, EnterpriseDT, JAXP, CVS, Log4J

Verizon Wireless, Alpharetta, GA Sept 07 – Sept 08

Systems Engineer

5-STAR is a customer contact management system and enhanced billing systems that enables stores salesmen to strengthen customer relationships.

Responsibilities

* Implemented Agile Methodologies during the development like XP, SCRUM, RUP, Iterative
* Developed core custom components for the application.
* Design the application, develop and unit test.
* Built new struts based Portlets including the GUI of the portlets for the WebSphere Portal Server.
* Involved in both front end UI design and also the back end to control the business logic
* Follow the Iterative model with repeated UI review sessions with the business.
* Implement the change requests, along with the application development.
* Used Subversion for source code version control throughout the project.
* Worked in development and bug fixing phases of the project.
* Used Maven to build and deploy the application
* Involved in development of presentation layer using Struts, JSP and Servlets.
* Involved in writing web services for getting data from different data sources.
* Developed various Commands and Helper classes using Core Java mainly following multi-threaded concepts, design patterns for the Application

Environment: JavaScript, Web services, WSDL, SOAP, AJAX, CSS, Maven, Agile, HTML, CSS, JSF, JavaScript, XML, DOM, SAX, SAP BW, Struts, WebSphere Portal, WebSphere Application Server

EDUCATIONAL QUALIFICATION

* MS Degree in Information Systems
* Bachelors Degree in Computer Science
* Professional Diploma in Network-Centered Computing, GNIIT