**Sivakumar Kumaravelu**

**Summary:**

* Strong experience in Software Development Life Cycle (SDLC) with expertise with OOPS, OOAD and UML.
* Expertise in developing JEE Applications using JDK 1.4/ 1.5/ 1.6/ 1.7, Servlets, JSP, Spring Framework (DI and JMS), Struts 2, Hibernate, iBatis, Design Patterns, Junit and Cucumber.
* Experience leading in design, development and unit test. Created Technical design documents and implemented test components that meet functional and non-functional activities.
* Experience in developing business components/ services/ messaging using EJB, WebServices, JMS and MQ.
* Experience in developing database components using iBatis ORM. Experience in querying databases such as Oracle 11g, MySQL and SQL Server databases using tools such as TOAD/ SQL and Jasper reports/ iReport reporting tools.
* Experience in Design Patterns like Singleton, Front Controller, MVC, etc.
* Experience in OSGI for application development/ deployment on Web Servers.
* Participated in sprint planning and story grooming meeting in Agile/ Scrum model and JIRA. Experience in Pair programming and Test Driven Development (TDD) and Business Driver Development (BDD) methodologies.
* Experience in automation testing using automation tools such as Cucumber for Java. Experience in writing Junit and automation test cases using testing frameworks such as Junit and Mockito framework.
* Experience in designing and consuming SOAP and RESTful WebServices using JAX-RS, Jersey.
* Experience in using HTML, CSS, JavaScript, JQUERY, AJAX, Prototype.JS Framework, Backbone.JS, React.JS and libraries like Underscore.JS for developing User Interfaces of Web applications.
* Experience in maintaining source code using tools like SVN, GIT (Tortoise/ Source Tree/ BitBucket), CVS and Perforce.
* Expertise in configuration/ deployment of Enterprise applications/ services in WebLogic, WebSphere and Tomcat.
* Experience in configuration/ build/ deployment/ troubleshoot in Linux environments of CIT, UAT and Staging boxes.
* Experience in compiling and building application artifacts such as jars/ wars/ ears using ANT and MAVEN build tools.
* Knowledge in Node JS, Micro services using Spring Boot, Service discovery using Eureka and Mongo DB.
* Having good communication, analytical skills and problem solving skills.

**Education/ Certification/ Training:**

* Master’s, Master of Technology, Software Systems, Data Analytics – M.Tech, BITS Pilani, India
* Bachelor ‘s, Bachelor of Technology, Information Technology - B.Tech., Anna University, Chennai, India
* **Oracle Certified Professional, Java SE 6 Programmer**
* Algorithms: Design & Analysis, Part 1, Coursera, Stanford University, 2015

**Skills:**

**Languages**: Java, SQL, XML, HTML 5, JavaScript

**Java Stack:** Servlets, JSP, JDBC, EJB, XML, JAXB, JMS, AWT, Swing, JQuery, SOAP, WSDL, JAX-RS, XSL, XSD, XSLT 2.0

**Frameworks**: Struts, Spring DI/ JMS/ DAO, Hibernate, iBatis

**JS Frameworks**: jQuery, YUI, Backbone JS, React JS

**Databases**: MySQL, Oracle 9i/ 11i/ 10g, SQL-Server, MongoDB

**Messaging:** WebLogic 10g/ 11g, IBM WebSphere 8.x, Apache Tomcat 5.x/ 6.x/ 7.x

**IDE**: IntelliJ IDEA, Eclipse

**Reporting tools**: Jasper Reports, iReports

**Version Control:** GIT, IBM Rational Clear case, HP ALM, CVS (Concurrent Versions System), Perforce

**CI/ CD:** Maven, ANT

**Test Tools:** Junit, Cucumber

**Professional Experience:**

**Barclays, New York, USA June 2018 – Present**

**Java Developer**

Design and developed an application for the aggregator (Bloomberg) to capture the interactions between the research provider and client. Those interactions are reviewed by Sales team and they generate a report and publish to client.

**Responsibilities:**

* Design, develop and unit test the application capturing the interactions between the research provider and client.
* Created the Job schedulers using Spring and trigger the jobs that would generate report fetching data from SalesForce database and Data Lake which is based on Hadoop Ecosystem.
* Define configuration for clients like Bloomberg, Dealogic, Commcise, CoprAxe and ONEAccess and generate report based on various filter conditions.
* Implement OAUTH authentication to interact with Salesforce CRM.
* Design the reports using Jasper reports, generate reports in CSV, XLS and XML formats.
* Package the application and its dependencies with the help of Docker.
* Deploying the application in the Openshift cloud platform.

Environment: JDK1.8, Spring Scheduler, Spring Boot, REST and Jasper reports.

**ANZ Banking Group, Bangalore, INDIA Sep 2016 – May 2018**

**Sr. Software Developer**

Design and developed payment modules like BPAY and NPP for ANZ Institutional customers. Also worked in reporting module to generate Credit/Debit advices, Statement of charges etc using Jasper Reports. Involved in migration of product technology from Backbone JS to React JS.

**Responsibilities:**

* Lead team in design, develop and unit testing software. Created Technical design documents and implemented test components that meet functional and non-functional activities. Has performed code review to ensure code is adherence to standards and best practices, groomed stories and given estimates.
* Developed Single Page application using Backbone JS and a wrapper around it Mediator JS. Used underscore libraries effectively to manipulate data and slick grid to create viewable and editable grids.
* Developed payment modules like BPAY and NPP for Australian Institutional customers. Create/View/Modify payment and generate detail, summary and audit reports for those payments.
* Configuring the services, beans and references in Blueprint OSGI for payment related backend services. Developed business tier components and services using RESTful web services(JAX-RS) for BPAY and NPP modules.
* Extensively wrote SQL queries for extracting data from Payment and Reporting modules in Oracle.
* Configured SOAP UI for performing integration tests that involves REST calls.
* Used Spring Framework to inject the database and internationalization beans to reporting beans to resolve dependencies.
* Designed the layout for reports in JRXML using iReport, based on header grouping segregated the payment types and writing logic to print payment related information.
* Built code using maven, created releases using Bamboo.
* Configured and deployed applications and clusters in WebSphere Application Server (WAS).
* Participated in sprint planning and story grooming meeting and having experience in grooming functional stories to technical stories, extensively used Agile tools like JIRA.
* Participated in planning for moving the technology from Backbone JS to React JS. Written few components using React JS.
* Developed unit tests using Mockito framework.
* Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.

Environment: JDK1.7, Blue print OSGI, Spring DI/JDBC template, Backbone/ Underscore/ React JS, Maven build tool, REST, Karaf, Eclipse Helios IDE/ IntelliJ IDEA 2017.3, Oracle10g, IBM WebSphere Application Server 7.x, GIT Version Control

**Amdocs, Bangalore, INDIA Jun 2010 – Sep 2016**

**Software Development Team Lead, Technical Leader**

Design and development projects across verticals Core Development team, Customization team, QA team and GLS team, supported several telecom customers across geographies such as HotMobile Israel, Orange Luxemburg, Mobistar Belgium, CellC South Africa, Jersey Telecom, Channel Islands, etc.

**Responsibilities:**

* Lead team in designs, develop and unit testing software. Created Technical design documents and implemented test components that meet functional and non-functional activities. Performed code review to ensure code is adherence to standards and best practices, groomed stories and given estimates.
* Lead team in diagnoses, de-bugging of software problems and perform problem solution and mentor junior members on the team.
* Developed web pages and widgets using JSP, Servlets, HTML 5, CSS, Java script, YUI, AJAX and in house Struts like JFN framework that would display the primary/supplementary, handset offers, view cart, review and confirm, develop a reporting module to read information from basket and generate report.
* Used extensively WebServices API’s such as WSDL, XML, XSD and reviewed XML logical data model
* Developed database persistence layer components for mapping an object-oriented domain model to the relational database using ORM framework such as iBatis.
* Developed the reporting module using JRXML, used Reflection API to resolve the tokens and merge those in the JRML to generate reports in PDF, TEXT and HTML formats. Used Spring Framework to resolve the run time dependencies.
* Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.
* Refactored the code for Product catalog import and improved the overall performance of application.
* Used Spring Java Message Services for sending the data to the Single application Interface in Comverse One system so that workflow can process the new customer or modify existing customers.
* Tuned the production system, suggesting usage of garbage collection algorithms and techniques for memory management in Testing and Production environments.
* Created jProfiler to constantly monitor which methods has taken up more time and optimize them
* Created WebLogic profile in Linux environment to configure the applicant and deploy the application the WebLogic instance.
* Deployed and configured the application on to WebLogic application server.
* Developed units test cases and test suites using Junit framework.
* Provide the support post production, analyze and troubleshoot the production issues. Analyze the thread dumps, using ThreadDump analyzer and see which part of code has caused issues and provide quick resolution.
* Revamped a system monitoring application called MAS that spawned JVM instances, converted all of the instances to worker threads, configured Quartz schedulers to monitor the system for specific interval.

**Environment:** Java/ J2EE, Spring IOC/DI, WebServices (SOAP & WSDL), JSP, Servlets, XML,

iBatis, HTML, JavaScript, JQuery, YUI, JUNIT, log4j, Eclipse, WebLogic 10, Tomcat, Oracle 10g, ANT and Perforce version control.

**Mosaic Technologies, Bangalore, INDIA Dec 2008 – May 2010**

**Software Developer**

Developed an e-Commerce website for personalized products, used xPression to write rules and generate Credit/Debit statements for clients like Xerox and Harlosh.

**Responsibilities:**

* Worked in software development life cycle starting from requirements gathering, performing Object Oriented Analysis and Design, Coding and Testing.
* Developed a tool for processing the XML generated from banking system. Used Java, DOM parsers for the same.
* Creating and generating rules for the documents using the xPression and building a wrapper around xPression software for Online Print System.
* Developed a website for the company using Drupal framework. Used several modules in Drupal to create menus, contact form etc. Deployed the application in shared hosting maintained the website.
* Developed e-Commerce website using Lite Commerce framework for selling personalized products for kids. The users can add the products, customize, preview and complete the order.
* Used the lite commerce modules to create menus and preview modules were created using Javascript libraries like MooTools and Scriptaculous.
* Developed a Chromeless Youtube player for City Beach Australia using Youtube data and player API, customized the player, implemented the controls to upload the video and add comments through application. Developed a backend application to approve the videos uploaded by the user and direct videos to appropriate channel.
* Performed unit testing and integration testing along with the team and identified the defects and fixed them.

**Environment:** Java, DOM parsers, xPression, PHP, LiteCommerce Framework, JavaScript, YouTube API’s, DB2 database, Drupal, Tomcat, Eclipse IDE

**PGC Infotech, Tiruppur, India Feb 2008 – Sep 2008**

**Software Engineer**

Developed a job portal for job search. Migrated the search engine from Lucene to A.I based Burning Glass search and match, incorporated the same in the project.

**Responsibilities:**

* Developed standard UI flows using Struts based Web application that can be integrated into action classes and Data Access Objects .
* Initial search and match of job portal was based on Lucene. Enhanced the indexing and tuned to get matching results. Migrated from Lucene to Burning glass search and match based on Artificial Intelligence.
* Understand the Lens and X-ray systems, tune the system to extract information from the resumes.
* Development of HTML pages and JavaScript for front-end validation. Developed JSP Pages made them accessible to the Client using Tomcat Server.
* Written XSLT to match the data obtained from the Burning glass systems, and display the HTML output in browser.
* Written SQL queries to fetch the data from Database.
* Performed code reviews and given comments to follow coding standards

**Environment:** Java, JDBC, Servlets, JSPS, XML, XSLT, Struts Framework, JavaScript, Lucene and MySQL.

**iBODE Technologies, Chennai, India Sep 2006 to Oct 2007**

**Software Developer**

Developed a Business Intelligence software based on Java Swing, generate MIS reports using Jasper reports.

**Responsibilities:**

* Developed a Business Intelligence software which forecast sales and generate MIS reports.
* Designed the reports using iReports, also used jFreeChart extensively to display the charts in the U.I.
* Written SQL queries to fetch the data from Database.
* Developed XML parser to read the financial data from Tally accounting software.
* Developed an online test application for students which would shuffle the questions/answers and display it to the users.
* Written client side validations using Java script and server side validations in Java/JSP.
* Developed the evaluation module to evaluate all the answers, also show a report on evaluation.
* Developed charts for the admin users to view the number of students taken the tests and marks obtained against several test categories.
* Developed a customized CRMFSA web application using Ofbiz framework for enterprise based on client requirements.
* Used Bean shell script and XML to define the CRM component life cycle, to define custom entities and services. Implemented custom entities and services and write logic using Beanshell script.
* Used ANT scripts for building the application.
* Maintained the code in SVN, build the releases periodically and deliver to customers.

**Environment:** Java, JDBC, Servlets, JSPS, HTML, XML, CSS, Eclipse IDE, Beanshell Script, Opentaps Ofbiz framework, iReport, Jasper Reports.

**Aditya Birla Transworks, Bangalore, India Jan 2006 to Aug 2006**

**Associate**

Support the Microsoft products, troubleshoot and provide resolution for customers.

**Responsibilities:**

* Supported Microsoft product troubleshooting through e-mail.
* Understand all the technical documents gather knowledge on several Microsoft products, provide resolution to the users.
* Understand the registry model, provide solution for complex issues.
* Interact with the next level technical team work with them on resolution.
* Request for hotfixes for complex issues to the Development team.

**Environment:** MS Office products, Internet Explorer, Windows XP, Media Center etc.