**Mallikarjun Dooshetty**

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**Java Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* Over 9 years of experience in delivering enterprise solutions in multiple domains like **E-commerce, Finance, Telecom, Insurance, Health** and other **related domains**. Expertise in conceptualizing, designing and coding technical solutions using Java/J2EE and UI technology stacks to satisfy complex business problem statements.
* Expert in Various Agile methodologies like **SCRUM, Test Driven Development(TTD), Incremental** and **Iteration methodology, Pair Programming, Agile Development** &**Testing using Software Development Life Cycle.**
* **Experienced in Full stack UI technologies using Gruntjs, Gulp Server, Yeoman generator for Angular.**
* Expert level skills on **JSON, HTML, DHTML, CSS, Tiles, Tag Libraries** and UI frameworks - **Twitter Bootstrap, Materialize CSS, jQuery Mobile**.
* Experience with **jQuery, Ajax, JavaScript, Nodejs, ReactJs, BackboneJs, AngularJs, Angular 2.x/4.x** and Client-side validations.
* Experienced in Java **Web-based, Desktop Based Development** with Concepts of **Object Oriented Design** (OOD), **Object Oriented Analysis** (OOA), **Object Oriented Programming** (OOP) and its implementation.
* Expertise in the implementation of **Core Java** concepts of Java**,** J2EE Technologies: **JSP, Servlets, JSF**, **JSTL**, **EJB** transaction implementation (CMP, BMP, Message-Driven Beans),**Struts, Spring, Swing, Hibernate, iBatis, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data structures**.
* Experience in Spring Modules **Spring MVC, AOP, IOC, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Hystrix**, **Spring Dashboard, Spring Zuul, Spring Security**.
* Experienced in developing web-applications using various design patterns, including **session facade, MVC, Data Access Object, Singleton and Factory Pattern**.
* **Proficient in using Amazon Web Services (AWS). Extensive experience focusing on services like EC2, Elastic Beanstalk, Cloud Watch, CloudFront, Cloud Formation, IAM, S3, RDS, Elasti Cache, SNS, SQS, AMI.**
* Experience with **Docker** containers, leveraging Linux Containers and AMI's to create **Docker Images/ containers**.
* Experience with messaging systems like **Kafka, Kafka event sourcing.**
* Worked on (JMS) MQ's like **Rabbit MQ**, **IBM MQ** and **Active MQ**.
* Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* Good Working Experience in Apache Frameworks like **Apache CXF, Apache Camel** and **Apache Velocity.**
* Experienced in building Web Services using **SOAP** and **RESTFUL**.
* Expertise in **XML** technologies such as **DTD/Schemas, DOM, SAX, XSLT, XPATH, Castor.**
* Experience in configuring and deploying the applications on **Tomcat 5.x/4.x/3/x**., **GlassFish, WebSphere 6.x/5.x/7.0**, **Web Logic9.x/8.x/7.x/6.x,** and **JBoss** Servers.
* Experienced in developing **UNIX shell scripts** for batch processing.
* **Experience in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: Oracle 9i / 10g / 11g, SQL Server 2005/2008, DB2, PostgreSQL and MySQL.**
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra** and **CouchDB**.
* Good Experience in software configuration management using **CVS, GIT** and **SVN.**
* Experienced in performing **unit testing** using **JUnit, Test NG, Mockito**, integration and deployment of applications using tools such as **ANT**, **Maven, Gradle, Jenkins** & debugging through **log4j and Splunk.**
* Created Test automation framework using **Cucumber** and **Selenium** web driver.
* Knowledge of writing rules directly in the **Drools Rule Language** (DRL), and decision table.
* Expertise on UI testing with **Karma, Mocha, Jasmine** and **Chai**.
* Experience using secure authentication mechanisms like **LDAP, SASL** and **Kerberos v4.**
* Good knowledge on dependency management tools such as **NPM** and **Bower**.
* Developed Interactive graphs using **D3.js** with JSON data.

**TECHNICALSKILLS:**

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| **Languages** | **Java 1.5/1.6/1.7/1.8, J2EE, UNIX Shell Scripting, Python 3.6.0, Scala 2.12.1, C, C++.** |
| **Web Technologies** | **HTML/HTML5, DHTML, XML, CSS, Bootstrap, JSF, JavaScript, SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlets API 3.0, AJAX.** |
| **Frameworks** | **Spring 4.3, Hibernate 4.3, Angular JS 1.0/1.5/2.0, Struts 2.x/1.x, Log4J.** |
| **Application/Web servers** | **Apache Tomcat 8, IBM WebSphere 8.x/9.x, Jetty, Jenkins 2.50, JBoss, Tomcat 5.0/6.0/7.0, Glassfish,** **Web Sockets, WildFly.** |
| **Relational Databases** | **Oracle 8i/9i/10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1.** |
| **NoSQL Databases** | **MongoDB, Cassandra, Couch DB.** |
| **Internet Technologies** | **HTML 5, JavaScript 1.8, XML 2.0, CSS 3 and CSS 4, JQuery 2.11, Angular JS 2.0, BackBone.JS 1.3.1, Polymer.JS, Node JS 6.0.** |
| **Web Services** | **JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI, REST, SOAP UI.** |
| **Cloud Environments** | **Azure, AWS, Netflix Eureka, Mesos.** |
| **AWS Skills** | **EC2, Simply Storage Service, Cloud Front, Relational Data Base, Virtual Private Cloud, Route 53, Cloud Watch, Cloud Trial, Identity and Access Management, Simple Notification Service, AWS EMR, AWS CLI.** |
| **Operating systems** | **Windows, MS-DOS, UNIX, Mac OS, Linux and Ubuntu.** |
| **Testing Tools** | **Junit 4.12, Win Runner, Jenkins, Selenium WebDriver/Grid, JIRA 7.0., Bugzilla 4.4.12, Jasper Reports 6.0.** |
| **Methodologies** | **Agile, waterfall, TDD (Test-Driven-Development), Scrum, SDLC.** |
| **Developer IDE Platforms** | **Eclipse, Edit plus, Notepad ++, TEXT PAD, JBuilder, Net Beans 8.0.2, Intellij 2017.1, Spring Tool Suite (STS) 3.8.3, GITHUB 2.12.0.** |
| **Build Tools** | **Ant 1.10, Maven 3.3.9, Gradle 3.4.1.** |
| **Case Tools** | **Rational Rose, UML, OOAD, RUP.** |

**PROFESSIONAL EXPERIENCE:**

**Client: CVS Health, Bloomington, MN Duration: Dec 2016 - Till Date**

**Role: Sr. Java Full Stack Developer**

**Description:** CVS/pharmacy, the retail division of CVS Caremark Corporation, is a retail pharmacy with approximately 10000 retail locations. CVS/pharmacy is committed to serving the healthcare needs of all customers both in its stores and online at CVS.com. CVS Rx Connect is an online transactional software system, enabling a pharmacy to fulfill the needs of prescription filling and drug dispensing activities.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application.
* Developed applications using **Angular2, Java8** and new features of java (lambda expressions).
* Developed screens using **HTML5, CSS3, SASS, JavaScript, jQuery** and **AJAX.**
* Design and developed the application using framework **Angular 2** with **HTML5, CSS3** and **Typescript.**
* Developed UI components using **Angular 2 dependency Injection**, Models, data binding and controllers.
* Implemented **Angular 2** Router to enable navigation from one view to another.
* Used **Protractor** to perform **End to end testing** for single page application developed using **Angular 2.**
* Developed Application to asses **JSON** and **XML** from **Restful** web service from consumer side using **Angular 2.**
* Implemented and encapsulated Websockets in a service and used them inside the Angular 4 components.
* Experience with Responsive Web Design, **Bootstrap** and **Plygrid** framework.
* Developed various generic **JavaScript, Angular functions** to implement client-side validations.
* Involved in developing **Thread** Safe blocks for **multithread** access and distributed transaction management.
* Created and injected **spring** services, controllers and DAOs to achieve **dependency injection**.
* Heavily used **Spring Inheritance, Auto-wiring, Core Container, Security, AOP, Spring Quartz** for scheduling tasks to generate reports and emails to clients.
* Developed Persistence layer using **Spring Data** to interact with the Database.
* Developed Spring **Restful/Microservices** and implemented **Spring Restful/Micro Services and implemented Spring Eureka, Netflix, Ribbon** as part of **Services Discovery** usin**g Apache Axis**.
* Implemented **Spring MVC** flow to interact with different modules and extensively used **Spring AOP** and **Dependency injection** during various modules of project.
* Developed **Microservices** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each **spring service** in a cluster can be load balanced and exposed through one API gateway.
* Used **Micro service** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Implemented **Spring Circuit breaker** pattern, integrated **Hystrixdashboard** to monitor **Spring micro services**.
* Implemented Authentication & Authorization with Site Minder and **Spring security**.
* Implemented **REST** based web services using **JAX-RS** annotations, **Jersey provider** and consumed using **HTTP** services from **angular 2** modules.
* Used Amazon Web Services (**AWS**) like **EC2, S3**, **cloud watch** and **Elastic Bean Stalk** for code deployment.
* Writing Entities in **Java, Play Framework** along with named queries to interact with database.
* Experience in Updating, Modifying queries in **Oracle 11g.**
* Composed and executed **MongoDB** scripts to insert and update **NoSQL** database and reporting.
* Used **GWT** and **Amazon AWS (EC2/S3/EBS)** for prototyping and subsequent evaluation**.**
* Developed quality code adhering to **Scala** coding standards and best practices.
* Worked with **Kafka Cluster** using **ZooKeeper**. Developed Applications using **Rule Engines-Jboss Drools** 4.x,**Work flows, Human tasks** to implement Business rules validations.
* Developed data transformer for converting legacy data from Source tables to avro format and fed into **Kafka** using **Camel.**
* Worked on creation of custom **Docker** container images, tagging, pushing images, integration of **Spring boot**.
* Created the **Docker** containers and **Docker** consoles for managing the application life cycle.
* Worked with the **Node package manager** along with **Karma, Jasmine**, **Grunt** and **Bower** for test and build.
* Smoke Test and Acceptance Testing is performed with **Selenium** in multiple Java platforms.
* Worked with the automation team to understand the **Selenium** scripts and review the code, run the tests and review the results and provide inputs to the team.
* Used **Maven** and **Jenkins** to automate the build and deploy process and **Git** was used for project management and version management.

**Environment: Java 8, Spring MVC, Spring Boot, Angular 2, Websockets, HTML5, CSS3, JSON, JavaScript, Node.js, Spring Data, Protractor, Mongo DB, Oracle 11g, IntelliJ IDEA, Junit 4.4, Mockito, Git, Selenium, Scala, Spark, Drools, AWS, Docker, Spring Cloud, RESTful web services, Apache Tomcat, Apache Kafka, Camel, Maven, Jenkins, Karma, Jasmine.**

**Client: Freddie Mac, McLean, VA Duration: Jan 16 – Nov 16**

**Role: Sr. Java Full Stack Developer**

**Description:** The project consisted of developing and maintaining services like quick pay, bill pay, home loan accounts, mortgage accounts etc. the services were developed maintained and tested for the devices and the web. The move moneyservices help general users and investment users, to carry monetary transactions among friends, family and to manage loans and pay bills. We worked on the architectures, services and the front-end UI for each of the applications.

**Responsibilities:**

* Responsible for **React** UI and architecture. Building components library, including Tree, Slide-View, and Table Grid.
* Responsible for Building applications using **React.js** which allowed us to render pages on both the client and server using the same codebase.
* Implemented **React.js** code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF. Used **Babel** plugin tool for conversion of **ECMA versions** to support all type of browsers.
* Developed the flux pattern by using **Redux** framework as a core dependency.
* Integrated **Redux** data store allowing React components to have access to data resulting in highly maintainable code.
* Worked in creating account statements through Node.js and worked on the chat module utilizing Websockets to transmit JSON data string and render them using Node.js websocket.
* Used **React-Router** to turn application into Single Page Application.
* Used Java-J2EE patterns like **Model View Controller (MVC), Business Delegate, Data Transfer Objects, Data Access Objects**, factory patterns.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer **using Hibernate** and **Spring IOC (Dependency Injection)**.
* Extensively used **MVC, Factory, Delegate** and **Singleton design patterns**.
* Developed **micro services** architecture using Rest APIs, **spring boot** and **pivotal cloud foundry.**
* Developed **REST Web Services** clients to consume those Web Services as well other enterprise wide Web Services.
* Used **Hibernate** framework for back end development and **Spring DI** for middle layer development.
* Used **Spring MVC Transaction Management and Hibernate cache** concepts.
* Modified the **Spring Controllers and Services** classes to support the introduction of spring framework.
* Creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch and developing **Docker** images to support Development, Testing Teams and their pipelines, distributed **Jenkins**, **Selenium** and **JMeter images**, and **Elasticsearch, Kibana** and **Log stash**.
* Installed **Pivotal Cloud Foundry (PCF)** on EC2 to manage the containers created by **PCF.**
* Used **Docker** to provide virtualize deployment containers and push the code to **EC2** cloud using **PCF.**
* Experience in working with big data platform with a combination of **Hive MQ, Cassandra** and **Spark.**
* Worked with high volume and complex **PL/SQL stored procedures** and **packages** using **TOAD**.
* Experience in data structure design, Data Modeling in **Cassandra**.
* Developed **JUnit, Chai, Mocha and Gulp** test cases for unit, integration, and functional tests.
* Ran Log aggregations, website Activity tracking and commit log for distributed system using **Apache Kafka.**
* Used **Log4j** to print logging, debugging, warning and info on server console. Debugged the **MAVEN** scripts for building entire web application.
* Implemented **Cucumber** for behavioral testing of application.
* Developed reusable UI components using ES6, Handlebars and **Webpack.**

**Environment: React.js, Node.js, Babel, Redux, Bootstrap, Docker, Jenkins, Pivotal Cloud Foundry (PCF), Docker, Cassandra, JUnit, Chai, Mocha, Gulp, Websockets, Spring Boot, Spring MVC, Hibernate, Apache Kafka, Log4j, MAVEN, Cucumber, Webpack, Babel.**

Client: Bank of America, Charlotte, NC Duration: Feb 15 - Dec 15.

Role: Sr. Java/J2EE Developer

**Description:** Bank of America is a multinational banking and financial services corporation headquartered in Charlotte, North Carolina, with & quot; hub quarters & quot; throughout the country. It is ranked 2nd on the list of largest banks in the United States by assets. This project is built primarily for customer lending group, which forms the base of home mortgage within Bank of America. CORE provides a flexible platform for users to manage and capture each details of the mortgage account. This system solves complexities for its users by handling sub processes and borrower&#39;s details created on the mortgage accounts. The system is built on top of Lending Grid (LG) applications and is a very accountable for its needs.

Responsibilities:

* Designed, coded, implemented, optimization and tested new features and modules for the derivatives system as part of an **Agile** team and improved automation test suites.
* Utilized Modernizer extensively to build **HTML5/CSS3** based page layouts that are cross-browser compatible.
* Implemented client-side Interface using **React** **JS**. Worked on responsive design and developed a single **ISOMORPHIC** responsive website that could be served to desktop, Tablets and mobile users using **React JS**.
* Implemented application testability and diagnostics and fixing bugs with the help of **REDUX (Reducers)** architecture.
* Utilized create-react-app to launch product to stay update with current **Webpack** and **Babel** build configurations.
* Handled **HttpRequests** using **Axios** which supports Promise API functionality native to JS **ES6**.
* Gained Knowledge on Electrode Platform NodeJS/Web platform built on top of the ReactJS and HapiJS frameworks.
* Developed Web API using **Node JS** and hosted on multiple load balanced API instances.
* Developed **Spring Boot** to fasten the application for removing boiler plate configurations.
* Used loosely coupled architecture **Spring Boot**. Developed **Micro Services** in the application by using **Spring Boot**.
* Developed **Micro Services** for service oriented architecture to build flexible and independently deployable software.
* Developed **RESTWeb Services clients** to consume those Web Services as well other **Enterprise Wide Web Services**.
* Worked with **Spring AOP** module to perform logging operations.
* Developed independent **Microservices** using **Spring Boot** Rest Controller model and are deployed on UNIX boxes.
* Employed **Spring Boot** for initialize and bootstrapping the build configuration for the boot based web applications.
* Development of cloud hosted web applications and **REST API**s using **Spring Boot** with embedded **Tomcat**.
* Extensively Used Jenkins as Continuous Integration tools to deploy the **Spring Boot** Microservices to **Pivotal** **Cloud** **Foundry (PCF)** using build pack. Used Pivotal Cloud Foundry to quickly build, deploy and update the applications.
* Utilized **Hibernate** for **Object Relational Mapping** (ORM) purposes for persistence on to the database.
* Developed different join strategies with **Hibernate** to improve performance while retrieving collection items.
* Used **Spring MVC, AOP, IOC** and **Hibernate** to establish the Connection with Database for Stored Procedures.
* Involved in implementing Queries to the backend **MongoDB** database using Http service to fetch **JSON** contract.
* Unstructured data was handled using **Mongo DB** and used Mongoose Connector for connecting to database.
* Composed and executed **MongoDB** scripts and queries to fetch and test data from **NoSQL** databases.
* Responsible for installation & configuration of **Jenkins** to support various Java builds and Jenkins plugins to automate continuous builds and publishing **Docker** images to the **Nexus** repository.
* Used CI/CD tools **Jenkins, Git/Gitlabs** and **Docker** registry for configuration and automation using Ansible.
* Used Drools as rule engine to categorize salient level rule to every business rules base on the business needs.
* Experienced in working with **Babel** and **Webpack** in application build and deployment processes.
* Created plugins to extract data from multiple sources like **Apache Kafka**, Database and Messaging Queues.
* Ran Log aggregations, website Activity tracking and commit log for distributed system using **Apache Kafka**.
* Deployed and monitored scalable infrastructure on Amazon web services specifically on AWS EC2.
* Performed UI and front-end testing using **Selenium**. Developed test case and performed unit testing with **Mocha**.

Environment: HTML5, CSS3, React JS, Babel, Spring Boot, Spring AOP, Spring IOC, Hibernate, Redux, Axios, Node JS, Hapi JS, Webpack, JSON, Ansible, Pivotal Cloud Foundry, Jenkins, GIT, Docker, Drools, Nexus, Mongoose, MongoDB, Chai, Webpack, Mocha, Selenium, Apache kafka, EC2, AWS.

Client: Verizon, Silver Spring, MD Duration: Oct 13 - Jan 15

Role: Java Developer

**Description:** Fiber Inventory Management is a planning and analytical tool developed by Verizon for their internal users to plan and set up their telecom infrastructure across various geographies in America. This tool helps managers to analyze the cost of layout of fiber cable, hubs and terminals at particular geo location.

**Responsibilities:**

* Worked as a Java Developer and involved in analysis of requirements, the design, development, integration, deployment and testing.
* Developed the application under **J2EE** architecture using **JSP, spring**, **JavaBeans**, and **iBATIS**.
* Used **AJAX** in user validation and suggestion list and to display dialog boxes.
* Involved in preparing the High Level and Detail level design of the system using **J2EE.**
* Developed Web Interface using **Java Script, HTML** and **CSS.**
* Involved in the development of model, library, struts and form classes (**MVC**).
* Used **Spring Framework** and created the Dependency injection for the Action classes using **ApplicationContext.xml**.
* Worked on MQ with J2EE technologies on the WebSphere MQ.
* Used display tag libraries for decoration and used display table for reports and grid designs.
* Worked on **core java**, using file operations to read system file (downloads) and to present on **JSP**.
* Providing fixes to the issues identified in testing phase.
* Implemented **SOA** architecture with web services using **SOAP** and **XML.**
* Analyzed, designed and implemented **DAO** pattern for accessing Database using connection pool.
* Used **PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Involved in configuration of **XML** flat file and parsing the **XML** file using the **SAX Parser**.
* Worked on diverse ways to increase performance of the Application through use of methodologies like asynchronous calls to database, **stored procedures** in place of **Dynamic SQL**, etc.
* Used **Rational Clear Case** for version control and **JUnit** for unit testing.
* Implemented **JReport** for annual report generation with charts.
* Provided troubleshooting and error handling support in multiple projects.
* Worked on Reconciliation, which involves in providing **root cause** analysis and **data fixes**.
* Configured **Glassfish** Application server and deployed the web components.
* Extensively involved in **designing UI**, reporting and specification documentation.
* Responsible for the user module, setting rights and permission to users through the keywords set with database and testing.

**Environment: JDK1.5, JSP, JSF, Struts, iBATIS, Spring, HTML, JavaScript, AJAX, CSS, XML, EJB, PL/SQL, Glassfish, JUnit, SOAP, SAX Parser.**

## Client: Icrea Infotech, India Duration: Jul 09 – Aug 13

## Role: Software Developer

**Description:** This project is about comprehensive and integrated Hospital Management System for a Super Specialty Hospital. In this, packages used to computerize the activities of a servicing system. This package contains four modules. They are Administration, Patient Care System, Health Services, and Auxiliary Services. Each module is having sub modules with in the sub modules will maintain storing, registering, details of joining patient details, and over all day activities maintains one database.

**Responsibilities:**

Worked as a Java Developer and involved in analysis, design, development, deployment and testing.

* Implemented **MVC-Model 2** architecture using **Struts** and other **J2EE** design patterns for the application development.
* Used **Struts Framework** along with **JSP, HTML, CSS** and **JavaScript** to construct the dynamic web pages.
* Designed **DTDs, XML** Schema for data transmission and XSL style-sheets.
* Adopted **J2EE** design patterns like Singleton and used DTO’s transfer the data.
* Designed, developed and maintained the data layer using the **ORM** frame work called **Hibernate**.
* Involved in the development of SQL queries to get data from **MySQL**.
* Used **ANT** for building and deploying NBT application to servers.
* Extensively worked on **Object Oriented Programming** aspect of Java using JDK1.5 for collections along with **comparator, Multithreading, thread synchronization.**
* Used **Hibernate** to persist the Data into the Database.
* Using **Eclipse IDE** for bluestone application development of Java related classes and components.
* Involved in **Agile development process**.
* Deployed the application on **Tomcat 6/5.5** and used **shell scripting** for maintaining servers.
* Production supported after release.
* Worked with offshore and ensuring on time delivery of deliverables.
* Deployed the NBT application in **WebLogic**, **Tomcat servers** on Solaris and Windows environments.
* Developed **Unit Tests** and **Test Suites** using **JUnit**.

**Environment: java1.6, Struts2.0, Spring2.5, JSP 2.0, Ajax, XML, HTML, ANT, CSS, JavaScript, JBuilder, custom JSP tags, JSTL, Mercurial, FTP, UNIX (AIX), Hibernate3, MySQL, WebLogic, Continuum, Tomcat6.0/ 5.5, Windows XP.**