**Mallika V**

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**Professional Summary:**

* 7+ years of IT experience encompasses software design, development and maintenance of custom applications.
* Strong background in **Core Java** concepts like**, Collections Framework, threads and Java Reflection.** And possess hands on experience in building **activity diagrams**, **sequence diagrams**, **Class diagrams, activity diagrams** and **flow charts** using **Visio and Rational Rose.**
* Hands on experience with the **AWS LAMBDA** which is used in computer service that runs your code in response to events and automatically manages the underlying compute resources for you.
* Used the Pivotal Cloud Foundry for deploying the microservices.
* Experience with RabbitMQ which is an open source message broker software that implements the AMQP.
* Experience in Installing and monitoring standalone multi-node Clusters of Kafka and storm.
* Hands on experience with Dockers where they are used in developing and running distributed applications.
* Experience in installing multi-data center and multi-rack Cassandra cluster.
* Experience in designing and developing interactive User Interfaces, usability, web and client/ server applications using **HTML5**, **CSS3**, **JavaScript** and **JQuery**
* Used naming conventions and best coding practices while writing code in **HTML, CSS** and **JavaScript,**
* Hands on Experience with the **AWS (Dynamo DB, EC2, S3, RedShift, Kinesis, Lambda),**
* Extensive experience in **JQuery**, **JQuery plug-ins**, **AJAX**, dynamic **HTML** and **JSON**.
* Strong experience in Build and Release **DevOps**  in automating, build, deploying, and releasing of code from one environment to other environment.
* Experience in working in DevOps Environment with DevOps tools like Chef and Puppet.
* Hands on experience with the AWS Lambda which is used to maintain the storage, improve performance and to maintain the security issues of the application.
* Involved in designing various stages of migrating data from database to Cassandra.
* Solid database connectivity skills which includes **Oracle, DB2 and MYSQL** and programming with **SQL, PL/SQL, and Stored Procedures, Triggers and Sequences, Functions and Cursors and Packages** besides writing **DDL**, **Transactional and DML** queries with SQL developer development tool.
* Experience on Cassandra node tool to manage Cassandra cluster.
* Skillful in using different **Java** IDE’s like **Eclipse IDE, IB Visual Age, Net Beans, Xcodes, Visual Studio.**
* Expertise in **Server side** development using **Java, J2EE, EJB, JNDI, JDBC, RMI/IIOP** in environment like Windows and **UNIX**.
* Three tier architectural frameworks such as **MVC (Model View Controller)** in developing applications using **Struts, spring** framework.
* Extensive experience in developing web Applications using **Struts framework** implementing **Action Classes, Action Forms, Struts Validation Framework, Struts Tiles and Struts Tag Libraries**.
* Experience in **Hibernate 3.0** which includes integrating legacy databases, writing custom CRUD statements, integrating stored procedures and functions and performed polymorphic associations.
* Integrated Jenkins with various DevOps tools such as **Puppet, HPCDA, HPALM.**
* Hands on experience with the **Express JS** and **Node JS** framework which are used to build the single web page application.
* Proven expertise in implementing **IOC** and **Dependency Injection** features in various aspects of Spring Framework (**Core, Web, JDBC, MVC and DAO**) and experienced in integrating Spring Web Flow with other frameworks like **JSF**.
* Expertise and hands on experience in Web development **using HTML, DHTML, AJAX, CSS, JavaScript, XML, XSL, XSLT** validations with **DTD & XML Schema** and processing files with **SAX, DOM** Parsers.
* Complete knowledge on **software development life cycle** like **agile development model.**
* Good analytical ability and excellent communication skills.

**Technical Skills**

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| **Programming Languages** | Core Java, J2EE, SQL, C, C++, PL/SQL. |
| **Web Technologies** | JSON, JSP, Servlets, GWT, JDBC, JSTL, JMS, JPA, EJB, Web Services, SOAP, REST, WSDL, HTML, HTML4, HTML 5, CSS, CSS 3, DHTML, Java Beans, JavaScript, Dojo, Angular JS, AJAX, Bootstrap, AWS (Dynamo DB, EC2, S3, RedShift, Kinesis, Lambda), |
| **XML Technologies** | XML, XSL, XSLT, SAX, DOM, AXIS, Castor, XML Beans and JAXB. |
| **Web/App Servers** | Apache Tomcat 4.0/5.0/6.0, Web Logic 8.1/9.1, Web sphere 7.0, Web Sphere Application Server 8.0 & RAD 8.5, JBoss. |
| **IDE** | Eclipse, Eclipse IDE, Net Beans, Red Hat Developer Studio, WSAD, IBM RSA development IDE. |
| **Tools** | Ant, Maven, Jenkins, PL/SQL Developer, Junit. |
| **Operating systems** | Windows, Mac, UNIX, Linux, Sun Solaris. |
| **Databases** | Oracle 8i/9i/10g/11g/12c, My SQL, MS SQL Server, DB2. |
| **Frameworks** | Struts, CSS Frameworks, Spring (Dependency Injection, Spring MVC, Factory Pattern, Core, Spring Context, Spring DAO, Spring IOC, Spring JDBC, Spring with Hibernate), Hibernate, Log4j. |
| **OO Modeling** | UML, Rational Rose, Visio. |
| **Version Control systems** | SVN, CVS, Git, RTC, Jira, CM Synergy, Rational Clear Case, VSS. |

**Professional Experience**

**Client: Chick-Fil-A, Atlanta, GA**

**Role: Java Full Stack Developer Jun 2016 - Till Date**

**Description**:

Chick-Fil-A develops applications for Chick-Fil-A restaurants. Where they use Cloud/AWS services to develop those applications. The main concentration is to store the data in to the Red Shift (or) RDS (or) Postgres, using Java (or) python languages.

**Responsibilities**:

* Involved in design and development phases of **Software Development Life Cycle (SDLC)**.
* Developed front-end screens with HTML, DHTML, CSS, JavaScript and JSP's.
* Involved in creating infrastructure for **Armada Application**.
* Used **JIRA and Maven** Tools.
* Setup continuous integration and code analysis using Jenkins, Nexus & SonarQube on Raspberry Pi and Amazon EC2 (on-demand instances)
* Worked on Docker which implements a high-level API to provide lightweight containers that run processes in isolation
* Administrated and maintained the Multi-datacenter Cassandra cluster.
* Build Apache Kafka Multimode Cluster and used Kafka Manager to monitor multiple Clusters.
* Participated in **Scrums and Sprints** for developing the infrastructure.
* Deployed micro services in to Pivotal Cloud foundry.
* Used the Docker for encrypting the highly confidential information while deploying the application on to Cloud.
* Implement Microservices-based architecture deployed to Pivotal Cloud Foundry
* Worked with the **Kinesis Streams** which stores the files as streams.
* Created **API Gateway** through which the **JSON files** are processed into the **S3 Buckets**.
* Worked with the **JSON file**, and used the **S3 buckets** to store the **JSON files**.
* Used **Lambda** to create **roles and triggers** which helps in running the application manually when deployed.
* Involved in applying patches from community to Cassandra DB in production.
* Worked on production for the application Armada, which I have been working.
* Created **Lambda** and enabled it to run automatically whenever data hits the **Kinesis Streams.**
* Implemented Micro Services in our application as part of **DevOps** implementation using **REST** and **Maven**
* Encountered many issues during the production support and solved the issues very effectively.
* Used the **Cloud Watch logs**, through which we can monitor the behavior of the application once deployed into cloud.
* Used **Elastic Beanstalk** which is a server, where we deploy the application.
* Used **KMS Encryption**, were we encrypt the highly confidential details and deploy the application to server.
* Used **Python scripting** to encrypt the confidential details and deployed the application to cloud.
* Data modeled the new solution based on Cassandra and use-case.
* Developed application, maintained by supporting the application at the time of production.
* Used **the EC2 instances** for purpose of resizable computing capacity.
* Used Red **Shift service**for storing data.
* Worked on **splunk** through which monitoring of lambda is more doable.
* Worked on **JUnit** test cases.
* Developed the custom data grids upon **JQUERY** framework to deliver the business data.
* Used **JQUERY plug-ins** to implement features as a light box, sliders and other intuitive features.
* Implemented User Interface and integrated with backend code, **Node.JS** as server side technology.
* Extensively used **Spring MVC 4.0 Framework, EJB, Open JPA, Java script, JSP, Ajax, web logic and Oracle.**
* Created, optimized graphic websites and application interfaces using **HTML, CSS, Bootstrap**.
* Used **Node.js Grunt** to setup lint, magnification task, test runner tasks
* Used Node.js **Bower.js** for UI Dependency management.
* Developed **JavaScript** library for rendering domain-specific layout **XML** to the web
* Developed **Junit test cases** and for all the developed modules.
* Used **Log4J** for logging and tracing the messages.
* Used **Rational Clear Case** for version control across common source code used by developers.
* Extensively used **Hibernate 3.0** in data access layer to access and update information in the database.
* Hands on experience on **Hibernate query language** for searching dynamically.
* Used **Spring 3 Framework** for Dependency injection and integrated it with the Struts Framework and Hibernate.

**Environment: API Gateway, Kinesis Stream, S3, Lambda, Elastic Beanstalk, EC2, Red Shift, Splunk, JUnit, Spring MVC, JavaScript, Hibernate 3.0,Pivotal Cloud Foundry, Log4J, Cassandra, CSS, HTML, Docker,DHTML, XML, Angular JS, Node JS, JQuery, Ajax, SonarQube.**

**Client: Marsh & McLennan Companies, Hoboken, NJ**

**Role: J2EE Developer Feb 2014 - Jun 2016**

**Description**:

T-Mobile offers online application through which users can just login to the application and view their accounts and perform different operations per their requirement. The main motive of T-Mobile is to provide users with more flexibility to access their accounts.

**Responsibilities**:

* IDE, Apache Tomcat Server Involved in design and development phases of **Software Development Life Cycle (SDLC)**.
* Involved in designing **UML** Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Rose**.
* Designed table-less layouts using CSS and appropriate **HTML** tags as per W3C standards
* Developed front-end screens with HTML, DHTML, CSS, JavaScript and JSP's
* Developed the custom data grids upon **JQUERY** framework to deliver the business data.
* Created, optimized graphic websites and application interfaces using **HTML, CSS, Bootstrap**.
* Developed **JavaScript** library for rendering domain-specific layout **XML** to the web
* Developed **AJAX** based UI framework by utilizing JQUERY library.
* Designed, developed, tested and deployed mobile applications using Kony PIs, Java, HTML, CSS, JavaScript, Eclipse
* Used the Python programming language along with the other programming languages.
* Installed the applications on AWS EC2 instances and also configured the storage on S3 buckets.
* Created Amazon Workspaces for Development team to do all their **DevOps** work and administrating them.
* Integrated Jenkins with various DevOps tools such as Nexus, **HP CDA, HP ALM and HP QTP**.
* Developed user interface using **JSP, JSF, JSP Tag libraries, Ajax, Struts Tag libraries** and **Java Script** to simplify the complexities of the application.
* Implemented pages look and feel and **Ajax** calls using **JQuery** features.
* Implemented **Model View Controller** architecture using **Struts 2 Framework** at presentation tier.
* Extensively developed the API’s to provide the interaction while developing the GUI.
* Extensively used **Spring MVC 4.0 Framework, EJB, Open JPA, Java script, JSP, Ajax, web logic and Oracle.**
* Used the S3 storage for the storage purpose.
* For single page applications extensively used the **Node JS** server framework.
* Designed various tables required for the project in **Oracle 11g** database and used the **Stored Procedures** in the application.
* Developed large-scale, real-time, live blogging server and **UI** compatible for **Node.js**Application.
* Developed **Junit test cases** and for all the developed modules.
* Used **Log4J** for logging and tracing the messages.
* Extensively used **Hibernate 3.0** in data access layer to access and update information in the database.
* Hands on experience on **Hibernate query language** for searching dynamically.
* Used **Spring 3 Framework** for Dependency injection and integrated it with the Struts Framework and Hibernate.

**Environment:** Oracle WebLogic Server 11gR1, Eclipse, Eclipse IDE, PORTAL, JSP 2.0, Servlets 2.3, Ajax, Struts 2, Hibernate 3.0, Spring 3.0, JMS 1.1, API, MongoDB, Cassandra, TDD, Face lets, PostGre, Scala, Node.JS, AWS (Dynamo DB, EC2, S3, RedShift, Kinesis, Lambda), XML Web Services, SOAP, WSDL, Bootstrap, JAXB, Log4J, JUnit, ANT, JavaScript, ES2015 (ES6 / ES7), JQuery, HTML5, CMS, XSLT,Kony Rational Clear Case, PL/SQL, Oracle 9i, Rational Rose, Windows XP.

**Client: Ortho Clinical Diagnostics, Rochester, NY**

**Role: J2EE Developer Sep 2011 - Oct 2013**

**Description:**

The project was to develop an application, which is used to process HealthCare claims. It allows users to search the company data repository through the web. The requested data can be displayed in a summary view or through a detailed view. The application involves and automated approval or rejection criteria to preprocess the claims.

**Responsibilities:**

* **Spring Boot** favors convention over configuration and is designed to reach the application goals.
* Used the API while developing the GUI.
* Implemented the AWS Kinesis Trusted Advisor to provision resources and improve performance, reliability and security issues.
* Involved to create different cross operating system compatible user interactive mobile application pages, using web technologies like Kony, HTML, XHTML, and CSS.
* Implemented **agile** methodology and actively participated in scrums.
* Involved in requirement gathering, Analysis and Documentation.
* Participated in change requirements and **Bug fixings.**
* Used **Angular JS**and the **React JS** for single page Applications.
* Extensively used **Spring MVC 4.0 Framework, EJB, Open JPA, Java script, JSP, Ajax, web logic and Oracle**
* Used the Amazon Web Services (AWS) to maintain the storage.
* Involved in design and development phases of **Software Development Life Cycle (SDLC)**.
* Involved in Peer review of **production** data base (**Oracle**) scripts.
* Worked with peers to **migrate legacy data**.
* Developed various **generic JavaScript** functions used for **validations.**
* Database development required creation of new tables, **PL/SQL stored procedures, functions**, views, **indexes** and **constraints**, **triggers** and **required SQL tuning** to reduce the response time in the application.
* Used AWS Lambda to deal with the performance and security issues of the application.
* Used Log 4J utility to generate run time logs.

**Environment:**

Core Java/J2EE, Spring MVC, JSF, Agile, Log 4J, CMS, API, Ajax, Eclipse IDE, Angular JS**,** PORTAL**,** Web Logic and Oracle**,** RTC and NSD, Oracle, EJB, MongoDB, JavaScript, JPA, PostGre, Scala, Node.JS, Open JPA, PL/SQL. AWS (Dynamo DB, EC2, S3, RedShift, Kinesis, Lambda), Eclipse, Kony, HTML, XML.

**Client: IndoGlobals Health Sciences Chennai, INDIA**

**Role: Java Developer May 2009 - June 2011**

**Description:**

The objective of APM (Advanced Patient Management) is to develop a web based system to monitor the patient condition by the physician by using Latitude devices and to eliminate many office visits by a patient. In-home remote follow-up can increase patient satisfaction and improving physician workflow. The combination of device data with meaningful external sensors can provide an effective means to help manage patient health.

**Responsibilities:**

* Involved in the development of various front-end modules.
* Worked in deadline driven environment.
* Developing Java script modules for client side validations.
* Developed core Java backend tools.
* Developed custom tag libraries for formatting contents in JSPs.
* Developed and deployed **EJBs** on the server.
* Involved in the production support for the application.
* Developed various server side components using various **J2EE** technologies.
* Involved in the development of different user interface screens using JavaScript, CSS, and HTML.
* Used the **Software Development Life Cycle (SDLC)**.
* Developed presentation modules using **Struts** framework.
* Developed various controller components using Struts framework.
* Extensively used **JDBC** to access the database objects.
* Extensively involved in coding of various design patterns.

**Environment**:

Core Java, JDK, J2EE, Servlets, JSP, Struts, MVC, EJB, Java Beans, SQL, PL/SQL, Design Patterns, JDBC, JBOSS, Log4J, Apache ANT, JavaScript, CSS, HTML, XML, DB2, Stored Procedures, Windows 2000/NT/98 OS.