**Deepthi**

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**PROFESSIONAL SUMMARY**

* Having **8 years** of extensive IT experience in all phases of **Software Development Life Cycle (SDLC)** which includes development, design, analysis, testing and Integration of various web based and **client/server** **applications** in multi-platform environments with **JAVA/J2EE** technologies.
* Experience in developing applications using **SDLC** methodologies like **Waterfall**, **RUP, Agile (TDD, SCRUM)** and **Test-Driven Development.**
* Expertise in developing **web pages** using **HTML5, CSS3, Bootstrap,** **JavaScript, jQuery, Ajax**, **Angular JS** andhave knowledge onServer scripting language like **Node JS.**
* Expert in **Core Java** and implementing concepts like **Multithreading, Concurrency**, **Exception Handling, File handling, IO, Generics and Java collections** in various projects.
* Utilized **Java 8** features like Lambda expressions and Stream API for Bulk data operations on Collections.
* Developed **Service Oriented Architecture (SOA)** and **Micro Service Architecture** based **J2EE** applications.
* Managed **Amazon Web Services** like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC)** through **AWS** Console and **API** Integration.
* Expertise in implementing **Design patterns** like **Singleton, Factory, Prototype, Business Delegate, Session Facade, Service locator, Visitor, Observer, Decorator, Front Controller** and **DAO pattern.**
* Experienced in developing web-based applications using **Java/J2EE, Servlets, Struts (Struts, Tag Libraries** and **Struts custom validation rules, Tiles), Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Web Flow, Spring Data, JDBC, Web Services (SOAP & Restful services)** and **ORM** frameworks like **Hibernate, iBatis.**
* Used **Spring Core** Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and **Spring Boot** for micro-services
* Excellent in developing **REST** and **SOAP** based **Web Services** using **JAX-RS, JAX-WS, WSDL, JAX-B, Apache Axis, Apache CXF** and **Jersey** frameworks.
* Experienced in **implementation of JMS** to exchange information over reliable channel in an asynchronous way by using **Active MQ, Rabbit MQ**, **Kafka** as message queue.
* Experience using **Hibernate** for mapping Java classes with database and using **Criteria API** and **Hibernate Query** **Language (HQL).**
* Proficient in developing RESTFUL web services in **Python** using XML, JSON.
* Worked with **SQL** databases like **Oracle, My SQL, IBM DB2** andHands on Experience in working with **NoSQL** Database like **MongoDB**, **Cassandra** to manage extremely large data sets.
* Proficient in writing **SQL queries, PL/SQL stored procedures, Triggers** and **creating business tables.**
* Experienced with deploying applications on to production servers, configuring various parameters of servers like **Apache Tomcat, JBOSS, BEA Web logic, IBM Web Sphere.**
* Proven ability in creating page Objects, data driven, keyword driven automation frameworks for J2EE based applications using **Junit, Selenium Web Driver, Mockito, Groovy Spock, TestNG Testing, Cucumber, Ant, Maven, Bamboo and Jenkins.**
* Portable deployment of applications as a single object using **Docker.**
* Actively involved in the **DevOps** streamlining process through **Jenkins** **CI** and **CD** Release Automation.
* Used version controller tools like **Tortoise** **Subversion (SVN), CVS**, **Git** and project maintenance is done using **Bitbucket**
* Implemented a Continuous Delivery pipeline with **Docker**, **Jenkins, Bamboo, GitHub and AWS AMI’s**.
* Experience in working with **IDE’S** like **Eclipse, Spring Tool Suite (STS), RAD** and **Intellij IDEA.**
* Have extensive experience working on **Windows,** **Linux** and **Unix** Operating Systems.
* Good understanding of Business workflow, Business logic and Business methods for further implementation of user requirement in a distributed application environment.

**TECHNICAL SKILLS**

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| --- | --- |
| **Languages** | C, C++, Java, J2EE, Python, SQL and PL/SQL |
| **Mark-up/XML Technologies** | HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX, Angular JS, Node JS, XML, XSD, XSL/XSLT, SAX/DOM, DOJO and JSON. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Boot, JSF, JUnit, Apache CXF, SOAP UI, GWT, Jersey. |
| **Build Automation** | ANT, MAVEN, Jenkins, Bamboo, Gradle. |
| **Web services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Micro services, Apache Axis and Apache CFX. |
| **Cloud Technologies** | Amazon Web Services (EC2, SQS, RDS, IAM, S3), Pivotal Cloud Foundry and Spring Cloud. |
| **Web/App Servers** | Web Sphere, Apache, Apache Tomcat, JBOSS EAP, Web Logic Server and Apache Camel |
| **Databases** | Oracle, SQL-Server 2005, MySQL server, MS SQL, IBM DB2, NoSQL DB like MongoDB and Cassandra. |
| **IDE tools** | Eclipse, Net Beans, Spring Tool Suite (STS) and IntelliJ IDEA, RAD, Adobe Dreamweaver. |
| **Modeling/ CASE Tools** | Rational Rose and MS Visio Professional. |
| **Testing Tools/ Others** | Selenium, TestNG, JUnit, TOAD, Soap UI, Putty, Rational Clear Quest, RTC, Load UI and Mockito. |
| **Version Control** | Tortoise SVN, CVS, Rational Clear case, Source Tree and Git. |
| **OS & Environment** | Windows Vista/XP/2000/NT, Win 2k Server, Sun Solaris, UNIX |
| **Design Patterns** | Singleton, Factory, Prototype, Business Delegate, Session Facade, Service locator, Visitor, Observer, Decorator, Front Controller and DAO pattern. |

**PROFESSIONAL EXPERIENCE**

**Client: AMEX May 18 – Till Date**

**Location: Greensboro, NC**

**Role: Full Stack Developer**

**Description:** American Express is a global services company that provides customers with access to products, insights and experiences that enrich lives and build business success. The project involved creating UI Screens for Amex product/service and also developing internal Java coding by retrieving data from client side, processing it and saving it in database. It also involved fetching data from database and displaying it to the user.

**Responsibilities:**

* Involved in the complete **SDLC (software development life cycle)** of the application from requirement analysis to testing.
* Followed **Agile Methodology** in analyze, define, and document the application, which will support functional and business requirements. Coordinate these efforts with Functional Architects.
* Developed the **UI** using **HTML5, CSS3, JSP** and **JavaScript** for interactive cross browser functionality and complex user interface.
* Involved in designing the client side module architecture based on new **Angular Framework**.
* Using **Spring Boot** which is faster in building Microservices and develop **Spring** based application with very less configuration.
* Used **Node.JS** to run **AngularJS** on server with mock **JSON** data and completed the **UI development** independent of server.
* **Designed, Configured** and **deployed Amazon Web Services (AWS)** for a multitude of applications utilizing the **Amazon cloud formation.**
* Experienced in setting up Amazon **EC2** instances, virtual private cloud (VPCs), and security groups. Setting up databases in AWS using **RDS**, storage using **S3** bucket and configuring instance backups to S3 bucket.
* Experience with designing and configuring secure **Virtual Private Cloud** (VPC) through private and public networks in **AWS** and create various subnets, routing table, internet gateways for servers.
* Designed and developed the **REST** based **Micro Services** using the **Spring Boot and Spring Cloud.**
* Used **Spring MVC module** to develop **MVC Architecture**.
* Developed the **Controller** to handle the **requests** and **responses.**
* Used **Core Java** to develop **Business Logic** as **Spring Beans**.
* Configured **Spring Container** to implement **IOC/DI** of the **Spring Beans**, and to manage the **beans life circle**.
* Used **Spring Security** for **Authentication and Authorization** of the application.
* Used spring Data Framework to use the features of **Spring JDBC** and **Spring ORM** classes like JDBC Template to perform the database the database operations by connecting Data Sources available.
* Implemented **Spring AOP** for declarative transaction management.
* Developed **POJO objects** and used **Hibernate** as the **Object-Relational Mapping (ORM)** tool to access the **persistent** data from **SQL Server**.
* Stored procedure in the database and used **Dynamic SQL** to load the data.
* Used **Jersey** to implement **Restful Web Service** and used **XML** form to transfer the data.
* Used **Rest Controllers** to replace the existing **operations layer**, which acts as bridge between **business layer** and the **UI**.
* Used **MongoDB** as data storage and utilized aspects like replica sets, sharing and clever document design to make service extensible scale and feature wise.
* Deployed the **Web Application** in **WebSphere.**
* Developed **Unit Test Cases**. Used **JUnit** for **unit testing** of the application.
* Created **UNIX** shell scripting for periodic generation of reports.
* Configured **pom.xml** to deploy the project using **Maven.**
* Used **Brackets IDE** for UI development and **RAD IDE** for Server.

**Environment**: Java(1.5 – 1.8), J2EE, HTML5, CSS3, JavaScript, JQuery, AJAX, AngularJS, NodeJS, Bootstrap, JSON, JSP, JNDI, Oracle, Spring AOP, Spring cloud, Hibernate, PHP, Spring MVC, Spring JDBC, JDBC, Amazon Web-Services (Elastic Search),SOA (Service-oriented) Architecture, REST, JAX-RS, Jersey, JUnit, JAX-B, Mongo DB, WebSphere, JIRA, Maven, GIT, RAD, Jenkins, Unix, Agile Methodology.

**Client: AT&T Aug 17 – Apr 18**

**Location: Durham, NC**

**Role: Java Developer**

**Description:** AT&T Synaptic Storage as a Service is a web services-based storage solution that easily scales up and down to any size you need and allows you to pay only for the storage you use. It provides elastic capacity on demand with no commitments, minimums, or limits and allows access to your stored data from virtually anywhere and anytime.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development, and testing.
* Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in **AngularJS**.
* Hands-on experience in developing integration with **Elastic search** in any of the programming languages like **JAVA** and **JavaScript**. Having knowledge of advance reporting using **Elastic search** and **Node JS**.
* Implemented **core** features of **AngularJS** framework such as dependency Injection, Data-binding, Filters, Directives, Templates, Services and Deep Linking Designing.
* Used **Java8** features like stream and Lambda expressions.
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like default, static methods and Concurrency API.
* Used **Java 8 Method References** feature to point to methods by their names and used **functional Interfaces.**
* Used **Spring MVC** framework for implementing **Model-View- Controller (MVC)** architecture at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced, and maintenance will be very easy.
* Used **Spring AOP** for solving crosscutting concerns like keeping logged data and transactions details etc.
* Used **Spring Batch** for processing large amount of data like transaction management, job processing, resource management and logging.
* Secured the API's by implementing **Oauth2**token-based authentication/authorization scheme using **spring security**.
* Designed and developed third-party Payment services to Offer Users Convenient Payment Methods based on **OAuth** Protocol
* Used **Hibernate** **ORM** **framework** as persistence engine and wrote **Hibernate** **Queries** to automate the mapping between **Oracle** database and **Objects** in **Java**.
* Involved in writing **SQL** and **Stored Procedures** for handling complex queries with help of **TOAD** and access them through Java Programs from **Oracle Database**.
* Worked with **MongoDB** to store non-relational data into collection and retrieve them whenever required.
* Used **WebLogic** server to route our **JMS** queue messages to different business floors and configured routes in **WebLogic** and used **JMS** in e-mail notification.
* Worked on setting up **Maven** scripts to build, package, and deploy application code to the target WebLogic Application Servers and worked on continuous integration servers like **Jenkins**.
* Developed the monolithic application and involved in migrating existing monolithic application in to **Micro Service Architecture** based **RESTful Service** and deployments were done on **AWS.**
* Designed and developed **Micro Services** business components using **Spring Boot.**
* Hands on Coding to build **REST Micro Services** using **Spring Cloud, Oracle, XSD, JSON, Spring Config, Cloud Foundry and Jenkins.**
* Responsible for creating an instance on **Amazon EC2** (**AWS**) and deployed the application on it.
* Installed, secured, and configured **AWS** cloud servers and **Amazon AWS** virtual servers (Linux).
* Worked on AWS services to deploy static websites and dynamic Web Apps on EC2 using **Elastic Beanstalk** and Elastic Container **Service-Docker.**
* Involved in creating **EC2** instances and installed required configurations and applications on it and created **S3** buckets for storing object level data into it.
* Used **AWS Cloud Watch** to monitor the application and to store the logging information.
* Used **Kafka** to handle data pipeline for high speed filtering and pattern matching on the fly and monitoring data pipeline operations. This involves aggregating statistics from distributed applications to produce centralized feeds of operational data.
* Developed API’s to read and publish data from **Elasticsearch** cluster using native Java Transport client as well as **REST** client. Worked on **Spring** Integration with the **Elasticsearch**
* Focused on **Test** **Driven** **Development** there by creating detailed **JUnit** tests for every single piece of functionality before writing the functionality.
* Performed automation testing and authored test scripts using **Selenium Web Driver, Selenium Grid and Junit.**
* Worked in **Agile TDD** environment using SDLC tools like **GIT, Jira, Jenkins**, **Maven** for build packaging and deployments of the application components.

**Environment:**Agile methodology, Java, J2EE, Hibernate, Spring, XML, JSP, JAX-RS, Spring AOP, Spring security, Oracle, MongoDB, JSP, HTML, AJAX, JavaScript, jQuery, AngularJS, Docker, Kafka, GIT, JIRA, PL/SQL, STS, JUnit, Log4J, Maven, Jenkins, WebLogic Application Server, AWS IAM, EC2, S3, RDS, SQS

**Client: AIG Insurance Oct 15 – July 17**

**Location: Chicago, IL**

**Role: Java Developer**

**Description:** American International Group, Inc. (AIG) is a leading insurance and financial services organization in the US. The Auto Insurance Application project involves the design and development of a Web based internet application to provide online insurance services. The web application provides functionalities such as policy management, profile management and claim reporting. The customer can access complete account information, policy information, receive instant auto insurance quote and report a claim.

**Responsibilities:**

* Involved in all phases of the **Software development life cycle (SDLC)** using **Agile Methodology.**
* Used various **jQuery UI** controls and corresponding Event handlers.
* Used **Spring MVC** and **Dependency Injection** for handling presentation and business logic.
* To maintain loose coupling between layers published the business layer as services and injected necessary dependent components using **Spring IOC** and published cross cutting concerns like Logging, User Interface exceptions, Transactions using **Spring AOP.**
* Integrated **Spring DAO** for data access using Hibernate.
* Used **Spring Security** for **Authentication** and **Authorization** of the application.
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Implemented persistence framework using **Hibernate** & Handled **Transaction Management** using the provided data source.
* Responsible for designing **Hibernate mapping files** based on business logic and Object relationships.
* Integrated **Spring and Hibernate** together and worked on developing backend components and services using Hibernate and spring.
* Established Database Connectivity using **JDBC, Hibernate O/R mapping with Spring ORM** for **DB2**.
* Worked on **Hibernate** in **Data Access Layer** for mapping the java objects to relational database and **SQL** queries to fetch the data, insert and update the data from the database.
* Consumed **Web Services** to interact with other external interfaces to exchange the data in different forms by using **Restful** service.
* Implemented **SOA** architecture with **Web Services** using **SOAP, WSDL** and **XML** using **Apache CXF** **framework** and worked on parsing the **XML** files using **DOM/SAX** parsers.
* Created **tables, triggers, PL/SQL Stored Procedures, SQL queries, Joins,** and **views** for **IBM DB2.**
* Implemented **Restful** and **SOAP** based Web Services and used **Soap UI** for testing.
* Used **Spring JMS** module for lookup for the queues and MDBs for the listeners.
* Involved in **Unit Testing** of various modules by generating the **Test Cases.**
* Performed deployment of applications on **JBOSS.**
* Written **LINUX** shell scripts to identify user login information.
* Involved in day to day handling of **JIRA** issues (production issues at time) that involved data inconsistencies that required to be solved in very less time.
* Involved in Bug fixing of various modules that were raised by the testing teams in the application during the **Integration testing phase.**
* Participated in **Code Reviews** of other **modules, documents, test cases**.

**Environment:** Java, J2EE, HTML, CSS, JavaScript, jQuery, Angular JS, JSP, JSTL, JSF, Spring, Hibernate, XML, XSD, SOAP UI, Web Services, Restful, SOAP, WSDL, Log4j, JUnit, DB2, JBOSS, Jenkins, SVN, Eclipse IDE, JIRA, Agile Methodology, Linux, Rational Rose and UML.

**Client: BCBS Aug 14 – Sep 15**

**Location: Dallas, TX**

**Role: Java Developer**

**Description:** **Blue Cross and Blue Shield** providing local solutions that improve access to affordable, quality healthcare, each of the 36 independent and locally operated **BCBS** companies deliver health insurance coverage for 107 million members across all 50 states, the District of Columbia and Puerto Rico. This project mainly consists of following roles to enroll for the insurance and make any claims if necessary. The roles are **Patient**, **Doctor** and **Internal users of** **BCBS.** Thisproject having several modules to process and complete the insurance application from the scratch.

**Responsibilities:**

* Involved in Requirement Analysis, Design, Development and Testing of the risk workflow system.
* Involved in the implementation of design using vital phases of the Software development life cycle **(SDLC**) that includes **Development, Testing, Implementation** and **Maintenance** Support in **WATER FALL** methodology.
* Created user-friendly GUI interface and Web pages using **Struts, JSP, HTML, CSS, and JavaScript.**
* Responsible for designing, coding and developed the application in **J2EE** using **Struts MVC.**
* Implemented **Struts framework** (Action & Controller classes) for dispatching request to appropriate classes.
* Used simple **Struts Validation** for validation of user input as per the business logic and initial data loading.
* Achieved synchronization of multiple threads through **Multithreading** and **Exception Handling**.
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Developed **Struts Action Forms**, **Action classes** and performed action mapping using **Struts**.
* Developed batch job using **EJB** scheduling and leveraged container managed transactions for highly transactions.
* Involved in developing **Web Services** to send **XML** request and reading the response **SOAP UI** from Java platform.
* Used various **Core Java** concepts such as **Multi-Threading, Exception Handling, Collection APIs,** **Garbage collections** for dynamic memory allocation to implement various features and enhancements.
* Consumed Web Services to interact with other external interfaces in order to exchange the data in different forms by using **Restful service**.
* Established Database Connectivity using **JDBC** for **Oracle**.
* Used **Log4J** for application logging and notification tracing mechanisms.
* Developed the **ANT scripts** for preparing **WAR files** used to deploy **J2EE** components.
* Analysis and Bug fixing of the production problems and defects along with enhancements.
* Implemented **JUNIT** test cases for unit testing and Suites for end to end testing.
* Used **JIRA** for tracking the Project Stories and bug fixing.
* Used **SVN** to check-in and check-out and co-ordinate among team members for Version Controlling.

**Environment:** Java, HTML, CSS, AJAX, JQuery, JavaScript, JSON, XML, Struts, JDBC, IBATIS, Web Services, SOAP UI, Restful, HQL, SQL, JBOSS, Oracle, ANT, Eclipse IDE, JIRA, Tortoise SVN, and UNIX.

**Client: Techno soft Solutions Feb 12 – Jul 14**

**Location: Hyderabad, India**

**Role: Java Developer**

**Description:** Techno soft provides a range of professional services delivered by experts with operational experience building and running the largest E-Mail, messaging, and Internet networks. These services range from architecture and design of software solutions, website design & development to deployment services and operational support.

**Responsibilities:**

* Developed the Use case, Sequence and Class diagrams using **UML** and **Rational Rose**.
* Involved in the **design** and **development** of an entire Module – Guided Set Up. Developed user interface through **JSP** and **Servlets**.
* Developed Action classes and Action Forms using the **struts framework.**
* Developed Customs tags to display dynamic contents and to avoid large amounts of java code in **JSP.**
* Connected to the database through **JDBC**.
* Extensive experience working with **XML (DOM and SAX).**
* Used SQL-server to store the items in the database.
* Used **Session beans** for navigation of steps.
* Used **Entity beans** for storing the database in to database.
* Developed **Session Beans** as the clients of Entity Beans to maintain the Client state.
* Developed **Ant** Scripts to build and deploy **EAR** files on to **Tomcat Server**. Analyzed the **EJB** performance
* in terms of scalability by various **Loads, Stress tests using Bean- test tool.**
* Extensively used **Eclipse** while writing code as IDE. Written **complex SQL queries, stored procedures,**
* **functions and triggers in PL/SQL.**
* Developed test cases and used **JUnit** for Unit Testing.
* Used **CVS** for version control.

**Environment:** Java, J2EE, Servlets, XML (DOM and SAX), JSP, EJB, JavaScript, CSS, JDBC, Struts, Ant, Web Logic Application Server, WSAD, UML, Eclipse IDE, SQL-Server, Apache Tomcat, Oracle, PL/SQL, CVS, PVCS, Junit, Windows

**Client: Wave Technologies June 11 – Feb 12**

**Location: Hyderabad, India**

**Role: Java Developer**

**Description:** Wave Technologies is a software company that provides financial services. Its service domain includes web design and development, custom software development and consulting. It is a web based application for banks and other lending institutions that is designed & developed to span the complete loan cycle from capturing the initial inquiry from prospective customer till the closure of a loan account.

**Responsibilities:**

* Responsible for interfacing with the client to gather requirements.
* Given presentations for main visual purpose that determines effective understanding.
* Designed **UI** screen for Insurance Quote to get User information with **JSP**, **Struts** tag library.
* Written **JSP** for Online Quote for Resident Insurance.
* Involved in implementing the **DAO pattern** for database connectivity and used the **JDBC API** extensively.
* Developed **Action Classes**, **Service Classes** for **Resident Insurance Premium** payment module.
* Involved in Coding **JavaScript** code for **UI** validation and worked on Struts validator frame works.
* Wrote **PL/SQL** Queries to get schedule of policy payment and defaults.
* Developed **Session beans**, **Entity beans** for Insurance Quotes.
* Developed CMP read only **Entity beans** to get Insurance quotes.
* Used **Oracle** as **Database Server.**
* Web Logic Server to deploy J2EE application components.

**Environment**: Java, JDBC, Struts, JavaScript, Html, CSS, JSP, Servlets, Tomcat, Oracle, Eclipse IDE, CVS, ANT, Log4J, WebLogic Server.