**Subhashini Gunipati**

**Full Stack Developer.**

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**Professional Summary:**

Having 7 years of experience in all the technical phases of **Software Development Life Cycle (SDLC)** including Requirement Analysis, Design, Implementation and Testing in both Web based and Enterprise applications with emphasis on Object Oriented, **Java/J2EE** and Client Server technologies.

* Experience in developing the application with **Agile Methodology**, Waterfall Methodology and Test-Driven Development.
* Experienced in building **front-end UI design** implementations **through HTML5, CSS3, Bootstrap, JavaScript, Typescript, Angular, React, Json, Ajax, AngularJS, React JS and JQuery.**
* Expertise in **back-end/server-side** Java technologies such as **Web services, Java persistence API (JPA), Java Messaging Service (JMS), Java Database Connectivity (JDBC) and Java Naming and Directory Interface (JNDI).**
* Experience with **Java 1.8** features like **streams, Lambda expressions and functional interfaces etc.**
* Proficient **in core java** concepts **like Collection Framework, Multi-threading, Generics, Annotations**, Serialization, Thread pools, JavaBeans, Externalization.
* Proficient in developing J2EE enterprise applications **in Service Oriented Architecture** and **Micro Service Architecture.**
* Expertise in client scripting language and server scripting languages like **JavaScript, jQuery, JSON, Angular**.
* Expertise in creating the pages using CSS webpages layouts, knowledge on usability and accessibility concepts
* Design and development of GUI using **HTML5, jQuery, Angular, NodeJS, CSS 3.0, Java Script, XML, XHTML, XSL, XSLT.**
* Developed applications using frameworks and API like **Struts, Spring and Hibernate**.
* Developed Graphical User Interface (GUI) to display report data using jQuery in Cross-browser compatibility and Web Application Scaling.
* Extensive experience on implementing **AJAX** features using **JavaScript and jQuery**.
* Significant experience in web development tools like **Adobe Dreamweaver CS3, Spring Tool Suite, Eclipse, and Firebug.**
* Strong knowledge in cross browser compatibility issues and W3C standards. Good Knowledge in using Dojo Components and integrating back-end applications with AJAX driven web 2.0 front-end using OO JavaScript framework
* Sound knowledge in working with browsers compatibility issues with browsers like IE, Firefox, safari, Opera, Chrome
* Experienced with SOAP/WSDL, Designed, developed and documented **REST API**.
* Experienced in developing the UI screens using Angular, NodeJS, JavaScript, jQuery, Ajax, bootstrap, HTML and CSS.
* Experience in implementation of business applications using BEA Web logic, Web Sphere, IBM Web Sphere Application and Portal Server (WAS/WPS).
* Experienced in implementing **Service Oriented Architecture (SOA)** with **XML based Web Services** (SOAP/UDDI/WSDL) using Top-Down Approach and Bottom-up Approach.
* Expert in **database design** features including **ER Diagrams, normalization, tables, views, indexes, constraints, keys**.
* Strong Experience in **Oracle database**, **MySQL, DB2, Cassandra** and **Mongo DB** and backend programming.
* Experience in **SQL**, **PLSQL** programming, creation of stored procedures and function, packages, writing SQL, cursors, triggers and views.
* Used **GitHub** to maintain the versions of the source code of the project.
* Experience in using design patterns and UI frameworks such as **MVC, Struts, Hibernate, NodeJS, Spring**.
* Strong Experience in database design using **PL/SQL** to write Stored Procedures, Functions, Triggers and strong experience in writing complex queries, using **Oracle 8i/9i/10g/11g, DB2, SQL Server and MySQL.**
* Handled operations and maintenance support for **AWS** cloud resources which includes launching, maintaining and troubleshooting **EC2 instances, S3 buckets, Auto Scaling, Dynamo DB, AWS IAM, Elastic Load Balancers (ELB), Elastic Beanstalk and Relational Database Services (RDS).**
* Experience working in **continuous integration and continuous deployment systems (CI/CD).**
* Experience in **JMS** over messaging to exchange the information in more reliable and asynchronously for enterprise applications.
* Experience with **Kafka** Message Queues, **Rabbit MQ** and performing analytics for streaming data in real time using Apache **Spark**.
* Configured auto-scaling groups for applications like **Elasticsearch** and **Kafka** to scale automatically when needed.
* Proficient with build automation tools like **Gradle, Maven and Ant** for builds and deployments to different environments and various testing tools like **Junit**, **Mockito**, **JMeter**, **SOAP** **UI**, **Postman.**
* Experience in using code repository tools **GIT, Gitlab, Bitbucket, Tortoise SVN, and CVS.**
* Good in communicating with clients, customers, managers, and other teams in the enterprise at all levels.
* Effective problem-solving skills, outstanding interpersonal skills, good in written and verbal communication.
* Ability to work independently as well as within a team environment. Driven to meet deadlines. Motivated to produce robust, high-performance software.

**Technical skills:**

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| **Programming Languages** | JAVA 1.8, C, C++, SQL, PL/SQL |
| **Enterprise Java** | JSP, SERVLET, JNDI, JDBC, LOG4J API, JAVA SECURITY |
| **Mark-up/XML Technologies** | DHTML, XHTML, JAVASCRIPT, ANGULAR, CSS, NODE JS, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JQUERY, JSON |
| **Tools & Framework** | STRUTS, SPRING, HIBERNATE, SPRING MVC, SPRING WEB FLOW, SPRING IOC, SPRING AOP, JSF, JUNIT, JASPER REPORTS, SOAP UI, GROOVY |
| **Web services** | SOAP, RESTFUL, NODE JS, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, AXIS2, CFX |
| **Web/App Servers** | WEB SPHERE, APACHE, TOMCAT, JBOSS EAP, WEB LOGIC SERVER |
| **Database** | ORACLE 10G/9I, SQL-SERVER 2005, MYSQL SERVER, TOAD, MONGO |
| **IDEs** | ECLIPSE, NET BEANS, IBM WEB SPHERE RATIONAL ARCHITECT 7, SPRING TOOL SUITE(STS) |
| **Modelling Tools** | RATIONAL ROSE, MS VISIO PROFESSIONAL |
| **Testing Tools** | JUNIT, SOAP UI, LOAD UI PUTTY, RATIONAL CLEAR QUEST, RTC, STARTEAM |
| **OS & Environment** | WINDOWS VISTA/XP/2000/NT, WIN 2K SERVER, SUN SOLARIS, UNIX, LINUX |
| **Design Patterns** | MVC, FRONT CONTROLLER, SINGLETON, BUSINESS DELEGATE AND DAO PATTERNS |

**Professional Experience:**

**Client: Northern Trust, Chicago, I (Dec 2021 – Current)**

**Role: Full Stack Java Developer**

**Responsibilities**:

* Developed User Interface using JSP, JSTL, HTML, CSS, JavaScript, jQuery. Used various jQuery UI controls and corresponding Event handlers.
* Used Spring MVC and Dependency Injection for handling presentation and business logic. Integrated Spring DAO for data access using Hibernate.
* Responsible for integrating Struts-Validator framework into the application.
* Design and develop microservice architecture for settlement services using spring boot. XML/JSON creation for REST/SOAP services and using XML/JSON parsers, JIBX parsers to parse the XML/JSON requests/responses.
* Extensively used the J2EE design patterns like Session Façade, Data Transfer Object (DTO), Data Access Object (DAO), Singleton, Factory.
* Implemented persistence framework using Hibernate & Handled Transaction Management using the provided data source.
* Have worked on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* 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.
* Responsible for multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, auto scaling to design cost effective, fault tolerant and highly available systems.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java and docker on familiar servers such as Apache, IIS.
* 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.
* Designed the project workflows/pipelines using Jenkins for Continuous Integration and deployment into different Web/Application Servers.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus and Deploy to orchestra changes across servers and components.
* Worked with core Java concepts like JVM internals, multithreading, garbage collection etc. Involved in elaboration, construction phases and deployments of EAR files in the RUP process.
* Implemented SOA architecture with Web Services using SOAP, WSDL and XML and worked on parsing the XML files using DOM/SAX parsers.
* Extensively used JSON to parse the data from server side to satisfy the business requirement.
* Created Tables, Triggers and 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.
* Involved in Unit Testing of various modules by generating the Test Cases using a combination of Mockito and Junit.
* 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.
* Developed server-side Servest for JSP web pages running on Apache Tomcat server.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup. Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.

**Environment**: JAVA 1.8, J2EE, HTML, CSS, JAVASCRIPT, JQUERY, ANGULAR, JSP, JSTL, SPRING, HIBERNATE, KAFKA, XML, XSD, SOAP UI, WEB SERVICES, RESTFUL, SOAP, WSDL, LOG4J, JUNIT, IBM DB2, JBOSS, JENKINS, SVN, ECLIPSE IDE, JIRA, AGILE METHODOLOGY, LINUX, JENKINS, AWS.

**Client: Grange Insurance, Columbus, OH (Jul 2020 – Nov 2021)**

**Role: Full Stack Java Developer**

**Responsibilities**:

* Involved in Quarterly Planning meetings and followed Scrum concepts of the Agile Methodology to produce high Quality Software in designing persistent workflow models.
* Client-Side code were written in React, and Server-Side Code were developed using MVC4. Developed web UI screens using Spring MVC, React, React material, CSS, and Typescript.
* Implemented SOA architecture using SOAP web services by using Apache CXF and JAX-WS and Consumed Restful Web Services.
* Created Java Code to totally automate AWS services, which includes web servers, ELB, Cloud Front distribution, EC2 and Security groups, S3 bucket and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
* Responsible for ingesting large volumes of IOT data to **Kafka**. Wrote **Kafka** producers to stream the data from external rest APIs to **Kafka** topics.
* Built real time **data pipelines** by developing **Kafka**producers and **Spark** streaming applications for consuming.
* Maintaining separate build in Maven for the module for easy integration to the portal build and configure with Jenkins used to build and deploy the application.
* Developed RESTful Web Service using REST Jersey API. Developed applications with SQL Server.
* Developed Spring Services, DAO's and defined routes using Apache Camel. Developed messaging module using Spring JMS, Apache Camel and ActiveMQ.
* Developed restful web services using Jersey and spring and developed rest services using Node.js and other node modules.
* Implemented new projects build framework using Jenkins & maven as build framework tools. Experienced in Continuous Integration (CI) and Continuous Deployment (CD) using Jenkins.
* Developed stored procedures, Triggers, and functions to process the data using SQL and mapped it to Hibernate Configuration File and established data integrity among all tables.
* Implemented Hibernates' Lazy default fetch plans for generating proxies and collection wrappers and created fetching strategies for minimizing the number of SQL Statements.
* Involved in unit testing, integration testing, SIT and UAT phases. Performed defect tracking, bug fixing and enhancements. Tested the java services by using JUnit.
* Created quality working J2EE code to design, schedule, and cost to implement use cases. Used Amazon Web Services (AWS) SNS to send messages to email and http endpoint.
* Used Hibernate annotations for mapping objects to the relational database and Implemented persistence using Hibernate, managed Hibernate.cfg.xml file. Integrated Hibernate with spring for Handling Transactions.
* Used SOAP XML to transfer the application data between client and server in web services.
* Configured and deployed application using Tomcat application Server. Application developed using Net Beans.
* Used Maven for dependency and build management and used GIT as version control.

**Environment**: Java 1.8, Agile, Spring MVC, HTML, CSS, JavaScript, JSP, NetBeans, XML, Hibernate, Restful Web Service, Tomcat, GIT, Ajax, JUnit, SQL Server, AWS, ActiveMQ, Node.js, Maven, Spring JMS, React, Kafka, Jenkins, AWS.

**Client: Elephant Insurance, Richmond, VA (Feb 2019 – Jun 2020)**

**Role: Full Stack Java Developer**

**Responsibilities**:

* Participated in requirements analysis meeting with business, analyse the requirements, create solution design document, and estimate the LOE for the tasks.
* Develop cross browser compatible web pages quickly and effectively using HTML5, CSS, Responsive Web Design and Bootstrap.
* Developed REST Web Services using GET, PUT and POST data to generate JSON for UI rendering using Spring. Worked on Authentication and Authorization endpoints.
* Having good hands-on experience in working with monitoring and managing the nodes within the network using Network monitoring tools like SolarWinds.
* Performing the Firewall ACL requests change for various clients by collecting source and destination details.
* Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for Microservices.
* Implemented Batch jobs to deal with large number of chunks using Spring Batch Framework to execute the similar jobs simultaneously.
* Monitoring resources and Applications using AWS Cloud Watch, including creating alarms to monitor metrics such as **EBS, EC2, ELB, RDS, S3, SNS** and configured notifications for the alarms generated based on events defined.
* Integrated GIT into Jenkins to automate the code check-out process. Added storage to the cluster disks and increasing/ decreasing the file system in RHEL.
* Proficient with deployment and management of AWS services - including but not limited to VPC, Route 53, ELB, EBS, EC2, S3.
* Used spring integration for integrating the application with microservices using spring integration workflow files.
* Designed and developed configuration wizard to create business rule-based flow mechanism, and configuration entity model in JPA using spring.
* Implemented spring framework and involved in developing code for obtaining bean references in spring framework using Inversion of Control (IOC).  ‬
* Integrated Spring Dependency Injection among different layers of an application with Spring and O/R mapping tool.
* Designed and developed the web-tier using HTML5, CSS3, JSP, Servlets, Struts, and tiles framework.
* Designed and developed web pages using JSP's, Struts, JavaScript, and HTML for generating HTML content using the information returned from the respective Beans.
* Used AJAX and JavaScript for validations and integrating business server-side components on the client side within the browser.
* Extensively involved in writing Object relational mapping code using hibernate mapping files for configuring Hibernate POJOs for relational mapping.
* Involved in responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, tablets and mobile users using ReactJS.
* Implemented various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and Yarn library.
* Developed the RESTful web services using Spring IOC to provide user a way to run the job and generate daily status report.
* Used Multithreading in programming to improve overall performance using Singleton design pattern in Hibernate Utility class.
* Developed and exposed the SOAP web services by using JAX-WS, WSDL, AXIS, JAXP and JAXB.
* Used NoSQL database Cassandra for having high efficiency and good response for the request. Implemented the Connectivity to the Database Server Using JDBC.
* Involved in developing business components using EJB Session Beans and persistence using EJB Entity beans.
* Developed AWS Lambda functions written in Groovy and Java, where the function is triggered based on API Rest calls and used Apex tool for communication.
* Used the Eclipse as IDE, configured and deployed the application into JBOSS application server.
* Used Maven build scripts to automate the build and deployment process.
* Modified existing and created new SQL, PL/SQL Packages, Procedures, Functions and views as per the requirement.
* Used SVN repository for version control and JIRA for tracking of issues. Used JIRA tool for tracking stories progress and follow Agile methodology.
* Extensively worked on Jenkins, Build Forge and Hudson for continuous integration and for End-to-End automation for all types of build and deployments.
* Designed and developed web-based applications using different Web and application servers such as Apache Tomcat, NodeJS, and IIS.

**Environment**: JAVA 1.8, HTML, CSS, JBOSS, BPM, JSON, SOAPUI, JAX-WS, LOG4J, PL/SQL, JENKINS, CASSANDRA, JAVASCRIPT, JQUERY, AJAX, AGILE, SPRING BOOT, MICROSERVICES, SERVLETS, JSP, JUNIT, SOAP, APACHE KAFKA, RESTFUL, WSDL, XML, GRADLE, SELENIUM, JIRA, SVN, AGILE, HIBERNATE, SPRING SECURITY, AWS.

**Client: Gibraltar Bank, Troy Hills, NJ (Sep 2017 – Jan 2019)**

**Role: Java /J2EE developer**

**Responsibilities**:

* + Involved in development of business domain concepts into use cases, sequence diagrams, class diagrams, component diagrams and implementation diagrams.
  + Implemented various J2EE design patterns such as Model-View-Controller, Session Facade, Data Access Object, Business Delegate, Transfer Object and Composite View.
  + Responsible for analysis and design of the application based on MVC architecture, using open-source struts framework.
  + Designed dynamic web pages for the back office using JSP, Struts, JavaScript, Java Beans and Angular JS.
  + Migrated existing application into micro services architecture using Rest APIs, spring boot.
  + Developed and enhanced PL/SQL Stored Procedure, Packages, Triggers and Views and coordinated accordingly with the Java developers.
  + Closely worked on Application using AngularJS and Node.js libraries NPM, gulp directories to generate desired view and redux to root the URLs properly.
  + Creating a responsive web application integrating Twitter Bootstrap with AngularJS and gulp and media queries.
  + Worked in using Angular JS components, Forms, Events, Keys, Router, Animations, and Flux concept.
  + Specified Experience in configuring and deploying Java and J2EE applications into application servers (Apache Tomcat).
  + Used AngularJS framework for building web-apps and is highly efficient in integrating with Restful services.
  + Used JavaScript, AngularJS, and AJAX technologies for front end user input validations and Restful web service calls.
  + Developed Struts Action classes and Validation classes using Struts controller component and Struts validation framework.
  + Involved in configuring web.xml and struts-config.xml according to the Struts framework.
  + Designed a lightweight model for the product using Inversion of Control principle and implemented it successfully using Spring IOC Container.
  + Used transaction interceptor provided by spring for declarative Transaction Management. The dependencies between the classes were managed by spring using the Dependency Injection to promote loose coupling.
  + Developed with JMS as message service and developed microservices using RESTful services to provide all the CRUD capabilities.
  + Using Spring Boot which is radically faster in building Microservices and developed spring-based application with less configuration.
  + Used AWS API Gateway for providing RESTful APIs for the web application to access AWS services.
  + Provided connections using JDBC to the database and developed SQL queries to manipulate the data. Used Apache Cassandra database to store and retrieve application data with Key spaces through DataStax CQL query.
  + Developed DAO using spring JDBC Template to run performance intensive queries.
  + Developed ANT script for auto generation and deployment of the web service.
  + Wrote stored procedures and used JAVA APIs to call these procedures. Developed various test cases such as unit tests, mock tests, and integration tests using the JUNIT.
  + Implemented continuous delivery framework using Jenkins, Maven, and Nexus in Linux environment.
  + Used log4j to perform logging in the applications.

**Environment**: MAVEN, SPRING CORE, SPRING DATA, SPRING MVC, SPRING AOP, SPRING BATCH, SPRING SCHEDULER, ANGULARJS, RESTFUL WEB SERVICES, SOAP WEB SERVICES, WEBLOGIC, ECLIPSE(GANYMEDE), CRUISE CONTROL, TOAD, HIBERNATE, ORACLE 11G, JSP, JSTL, HTML5, CSS, JAVASCRIPT, XML, JSON, XSD, TOMCAT, JUNIT, LOG4J, UML, RATIONAL ROSE, MAVEN, SOA, DESIGN PATTERNS.

**Client: Thomson Reuters, Philadelphia, PA (Mar 2016 – Aug 2017)**

**Role: Java Developer**

**Responsibilities**:

* Analysed and wrote detailed design specifications, traceability matrix sheet and test requirements.
* Worked on AWS for continuous integration of files to the UI and worked for the backend development using Node.js and Mongo DB.
* Design develop and test HTML5, CSS3, Bootstrap, JavaScript and AngularJs that meets accessibility and web browser standards for website.
* Configure the Struts framework on Web logic, Web sphere Application servers.
* Involved in design & coding of Junit, JSP and Struts Action, DAO, BD design Patterns for GMAC ResCap applications.
* Worked upon the dashboard for the project which contained a variety of charts and draggable components using AngularJs
* Conducted Agile and Waterfall vision and strategy presentations to managers, investors, partners and sponsors
* Developed and coded interfaces, classes and created appropriate relationship between system classes and interfaces.
* Extensively involved in system architecture, software development, database design, deployment, testing, performance tuning, and maintenance for large-scale, web based and distributed J2EE projects.
* Implemented transaction management, high level authentication and authorization, logging and Exception Handling using Spring Security and AOP.
* Spring framework was leveraged for Inversion of Control (IOC), Spring JDBC; Spring AOP based Transaction management and Unit testing.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API's and Spring Boot for Microservices.
* Implemented Web Service calls for data parsing and server interaction using Spring, Threads, JSON, SOAP, RESTAPI and Apache.
* Developed EJB's for implementing business logic and actively involved in deploying application on JBoss application server.
* Developed persistence layer module using EJB java persistence API annotations and Entity manager.
* Involved in working with JAVA APIs used to establish communication between JavaBeans.
* Implemented several design patterns like MVC, Business Delegate, Service Locator, DAO, DTO and Factory.
* Used XML web services using SOAP to transfer the remote application to different institutions.
* Developed web services to allow communication between applications through SOAP over HTTP using Axis-2.
* Used BATIS framework with Spring Framework for data persistence and transaction management.
* Actively involved in coding using Core Java and collection API's such as Lists, Sets and Maps. Created stored procedures using SQL for data modification.
* Actively used Eclipse IDE for building, developing and integrating the application. Deployed the developed application on Tomcat application server
* Developed JUnit test cases for integration testing and integrated with ANT build tool.
* Fixed many bugs and handled interfacing issues while deploying application on Tomcat application server.
* Setup Jenkins tool to integrate the JAVA project and maintained Jenkins with continuous integration and deployment.

**Environment**: AGILE/SCRUM, JAVA, JSP, JQUERY, JAVASCRIPT, HTML, CSS, Angular JS ,AJAX, XML, EJB, SAX, DOM, SOAP, JAVA BEANS, SQL SERVER, ECLIPSE, TOMCAT, ANT, JIRA, LOG4J, SVN, MS OFFICE, MS VISIO, MS PROJECT, SPRING, HP QUALITY CENTER, J BOSS.

**Education: CKS teja dental college ,tirupathi-2014**