**Sindhu Manukonda**

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**PROFESSIONAL SUMMARY:**

* Having **8+ years** of experience in SDLC with the various Cycles like gathering requirements, Analyzing, developing, deploying and maintaining of web based as well as enterprise applications using Java/J2EE technologies.
* Experienced in using Agile Methodology including creating product/sprint catalogs, active participation in Scrum and Sprint planning.
* Experienced in developing front end applications using **HTML, HTML5, XML, XHTML, DHTML, CSS, CSS3, Bootstrap, SAAS, LESS, JavaScript, DOM, jQuery, Ajax, JSON**, and **JSP**.
* Strong Experience in **JavaScript MVC** design pattern like **Angular JS**, **Backbone JS, Ember JS** and **EXT JS**.
* Experience in Server-Side Java scripts like **Node JS, Express JS** and **Hapi JS.**
* Experience in developing application with **Angular 2.0, TypeScript, Webpack, ES6** Features.
* Creating and updating **React** applications with **Flux / Redux** architectures
* Strong knowledge on **OOPs** concepts **Core Java, Multithreading, Exception handling,** and **Collection** framework.
* Strong knowledge of core and J2EE design patterns like **MVC, Singleton, Session Facade, Business, Delegate** and **Data Access Object**.
* Strong programming skills towards developing and implementing complete n-tier web based application systems using **Java/J2EE** technologies- **JDBC, JSP, Servlets, Enterprise Java Beans, Struts, JSF, Spring, SOA** implementation**, JAX-RS, JAX-WS, JNDI, XML, JAXB, JSON, WSDL.**
* Strong knowledge in implementing **IOC** and **Dependency Injection** features in various aspects of **Spring** Framework.
* Strong knowledge on the Spring Modules like **Spring IOC, Spring MVC, Spring DAO, Spring Batch, Spring**
* **Web Flow, Spring Security, Spring AOP, Spring Cloud, Spring Batch** and **Spring Boot**.
* Having experience in creating sites that have Single Sign On using **CAS** and **Spring Security.**
* Having Handful experience in using **OAuth 2** for Micro services security.
* Authored application using **Spring Cloud** services (spring version of **Netflix OSS-Eureka**, **Hystrix** **Circuit Breaker**, **Ribbon and ZUl Gate Way**).
* Expertise in implementing the persistence logic using **JDBC, JPA, Spring JDBC, Hibernate** and **iBATIS**.
* Worked on **Hibernate** for mapping the java objects to relational database and worked on **HQL** queries and Criteria interface to fetch, insert and update the data from the database.
* Hands on Experience in working with Databases **MYSQL, Oracle, SQL-Server, DB2** and **NoSQL (MongoDB, Cassandra)**.
* Experience in creating Databases, Tables, Stored Procedure, DDL/DML Triggers, Views, User defined data types (UDT), Cursors, Functions, data dictionaries, and maintaining data integrity and Indexes using **SQL**.
* Good knowledge in writing stored procedures, Packages and functions using **SQL & PL/SQL** and good at advance **PL/SQL** topics like **Triggers, Collections**.
* Having knowledge on **(JMS) MQ's** like **Apache Kafka, Rabbit MQ, IBM MQ** and **Active MQ**.
* Good knowledge in using Restful framework like **JAX-RS** Framework implementing **Apache CXF, Jersey**.
* Experienced in implementing **SOAP** Web services using **JAX-WS**.
* Experience with Web/Application servers (**Tomcat, Web Logic,** **JBOSS** and **IBM WebSphere**).
* Good knowledge in using Amazon Web Services (**Amazon EC2, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity** and **Elastic Search)** and **Pivotal Cloud Foundry**
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more **AWS EC2** instances.
* Knowledge on various Docker components like **Docker Engine, Hub, Machine, Compose** and **Docker Registry**.
* Extensively worked on beginner patches for **Docker Engine**.
* Experience in Build and deployment automation through tools like **Jenkins**.
* Hands on experience with build tools like **ANT, Maven, Gradle** and logging tools like **Log4J**.
* Experience in using **Drools** rules engine for defining business rules and Validations.
* Worked with the package managers such as **NPM and Bower**.
* Good knowledge in JavaScript Task Runner like **Gulp, Grunt** for magnification, compilation, unit testing.
* Experience in software configuration management using **GIT, SVN** and **CVS**.
* Strong knowledge on JavaScript Unit testing with **Jasmin, Karma, Protractor, Mocha** and **Chai**
* Worked on Web Services testing using **Selenium IDE** and **Selenium RC Server, Selenium Grid/Web** **Driver Testing**.
* Expertise in testing with **JUnit** using tools like **JMeter, Mockito** and **Easy Mock**.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Language** | Core Java, C, C++, SQL, PL/SQL |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, AWT, Applets, Multi-threading, Java Networking |
| **Java Frameworks** | Spring MVC, Struts 2.0, JSF |
| **Application/Web Servers** | WebLogic, IBM WebSphere, JBoss, Tomcat |
| **ORM Frameworks** | Hibernate, JPA, iBATIS |
| **Web Technologies** | JSP, JavaScript, JQuery, AJAX, XML, XSLT, XHTML, DHTML, CSS, SASS, LESS, HTML, AngularJS, React JS, Ext JS, backbone JS. |
| **Spring Framework** | Spring IOC, Spring Batch, Spring Boot, Spring Security, Spring MVC |
| **Database Server** | MySQL, Oracle, DB2, SQL Server, MongoDB, Cassandra |
| **IDE** | Eclipse, RAD, WSAD, NetBeans |
| **Web Services** | REST, SOAP, JAX-WS, JAX-RPC, JAX-RS, WSDL, Axis2, UDDI, Apache CXF |
| **Version Control** | GIT, CVS, SVN |
| **Build Tools** | ANT, Maven, Gradle, Grunt, Gulp |
| **Methodologies** | Agile, Scrum, Water-Fall, Rapid Application Development |
| **Modeling Tools** | Microsoft Visio, Rational Rose |
| **Operating System** | Windows, Linux, UNIX |
| **Tools** | Apache Camel, ESB, cucumber |
| **Testing** | Junit, Jasmine, Karma, Mockito, Chai, Mocha, Selenium, Jenkins, Docker |

**EDUCATION:**

Bachelor of Technology in Computer Science Engineering**,** JNTU, INDIA.

**WORK EXPERIENCE:**

**Client:** **Charter Communications, St. Louis, Missouri Dec 2016 - Present**

**Role: Sr. Full Stack Developer**

**Description**: Charter Communications is an American cable telecommunications company, which offers its services to consumers businesses under the branding of Charter Spectrum. The project is to develop Order Management which provides the functionality to test the status/feasibility of user requested services by interacting with other downstream systems like inventory, activation and billing.

**Responsibilities:**

* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing and Testing application using **Agile** methodology.
* Designed the application using **J2EE** and **Java Framework** design patterns like **Spring**, **Singleton**, **AOP**, **IOC**, **DAO** (Data Access Object).
* Developed the web application using **HTML**, **CSS**, **SASS, AJAX**, **JavaScript**, **Angular 2.0** and **React JS**.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by **Angular 2.0**.
* Implemented **Angular** Router to enable navigation from one view to the next as user performs application tasks.
* Implemented **Angular2.0** component life cycle changes like ngOnChanges and ngOnInit.
* Implemented HTTP requests using Rxjs **Observable** library in **Angular 2.0** to handle multiple values over time.
* Implemented **React JS** to develop UI components and their dynamic rendering based on the actions occurred and the corresponding stores, view components associated with them.
* Proficient in using **React JS** for creating reusable components along with sliders, charts, grids and handling events.
* Designed modular and reusable **React** components using **Redux** Architecture and **Material-UI**.
* Designed and developed **Spring Boot** adapter applications using **Rest API**.
* Developed **RESTful** service interface using **Spring Boot** to the underlying Agent Services API and Implemented RESTful web services.
* Used **Spring Boot** which removes boilerplate configuration and makes application faster.
* Developed some standalone **Micro services** using **Spring Boot** micro service architectural patterns
* Used **spring Boot** properties like actuators and health checkers to enhance **micro service** implementations.
* Used **Spring core** framework to inject dependency, DAO and Bean objects, auto wiring Components.
* Build prototype for various required services such as Scheduling, Logging and Notification Service using third party **Node JS** based JavaScript library.
* Used **Express JS** which is fast, assertive, essential and moderate web framework of **Node JS** that helps manage a sever and routes.
* Used **Express JS** which respond to HTTP Requests and dynamically render **HTML** Pages based on passing arguments to templates.
* Implemented the persistence layer using **Hibernate** and configured **Hibernate** with spring to interact with the **MySQL** database.
* Configured **Node** **JS** in back end to interact with **MongoDB** using **Mongoose** **connector**.
* Configure and monitor numerous **MongoDB** and **NoSQL** instances.
* Manipulated data using **CRUD** (create, read, update and delete) operations of **MongoDB** database management system and handled database access.
* Utilized the Node package manager(NPM) along with **Grunt** and **Bower** for the build.
* Developed third party API with **OAuth 2.0** authentication and used as a gateway for all the web services.
* Exported SQL data in to **Elastic** **search** to allow much faster and scalable user searches from the database.
* Authored application using **Spring** **Cloud** services (spring version of **Netflix OSS-Eureka**, Circuit Breaker, and Ribbon).
* Implemented Microservices architecture with **Netflix** **Eureka**, Ribbon using **Spring** **Boot** for making different application smaller and independent.
* Used Amazon Web Services (**AWS**) like **EC2, S3**, cloud watch and Cloud Front for promoting code in various environments.
* Deployed application in virtual server – **Amazon** **Web** **Services** for maintaining Volumes, Creating Snapshots and Security Groups in AWS.
* **Kafka** Messaging Cluster has been used to provide distributed publishing between multiple business applications.
* Using **Swagger** Framework, implementing the Restful API and Used **Swagger UI** to consume third party RESTful web services.
* Performed Continuous Integration with **Jenkins** and **Docker** for build, ship, to run distributed applications.
* Created **Docker** containers to deploy and run web applications, analyzing micro services management using **Docker**.
* Used **Karma** and **Jasmine** for the unit testing the **Angular 2.0** Application.
* Involved in Unit Testing and Bug-Fixing and achieved the maximum code coverage using **JUNIT** test cases and used **Mockito** for effective testing of java applications.
* Used **Maven** for building the application and used **GIT** for version control.
* Used **Jira** for manage/tracking the issues/project work flow.
* Used **Log4j** to capture the log that includes runtime exception and for logging info and are helpful in debugging the issues.

**Environment**: HTML, CSS, SASS, AJAX, JavaScript, Angular 2.0, React JS, Express JS, Node JS, Spring Boot, Spring Core, Spring Cloud, Java/J2EE, Data Patterns, MongoDB, Mongoose Connector, Grunt, AWS, Kafka, Swagger, Jenkins, Dockers, Karma, Jasmin, Junit, Mockito, Maven, GIT, Jira, Log4j.

**Client: Principal Financial Group, Des Moines, IA July 2015 – Nov 2016**

**Role: Sr.JAVA/UI Developer**

**Description:** Principal Financial Group (Principal) offers businesses individuals and institutional clients a wide range of financial products and services including retirement, asset management and insurance, through its diverse family of financial services companies. This application provides employee to access customer information to process & authorize claims of the customers and generates free quotes for the customers depending on the type of insurance package they selected.

**Responsibilities**

* Actively involved in the various phases of **SDLC** to analyze business requirements, analysis, design, development, testing and support.
* Followed the **Agile** (TEST DRIVEN DEVELOPMENT) methodology and participated in daily Stand-up meetings to update the task status on the assigned tasks such as technical documentation, development of different modules.
* Designed the frontend applications, user interactive (UI) web pages using web technologies like **HTML**, **CSS**, **LESS**, **JavaScript, Bootstrap** and **React JS**.
* Used the new tags from **HTML** like section, article, header, footer, canvas for animations.
* Created Responsive Web Design using **Bootstrap**.
* Used **React** concepts like JSX (JavaScript Syntax Extension), components, state and props.
* Utilized **React-Redux** Action Creators, create **Store** from redux library to connect **reducers** and containers, to update the state and virtual DOM.
* Implemented various screens for the front end using **React JS** and used various predefined components from **NPM** (Node Package Manager) library.
* Performed the Synchronous/Asynchronous file operations and created web server with the help of **Express** Using **Node** **JS**.
* Developed **REST** services using **Node JS**, **Express-JS**, Body-Parser, **Cassandra** and other node modules to serve the web application with **JSON** data.
* Developed back-end components, connect the application with the other web services, and support the front-end developers by integrating work with the **Node JS** application.
* Involved in developing the **Angular JS MVC** framework for the Single Page Application development.
* Used features in **Angular JS** such as data binding, ng-route for routing, custom filters, and custom directives to meet business requirements.
* Having Handful experience in using **OAuth 2** for **Micro services** security.
* Implementing or exposing the Micro services based on **RESTful** **API** utilizing **Spring Boot**, **JAX-RS** with **Spring MVC**.
* Developed **microservice** architecture using **Spring Boot** to avoid boiler plate code and XML configurations.
* Integrated **Spring Boot** with its Spring Ecosystem like **Spring ORM** and **Spring Data** for connectivity to Relational database.
* Used **Spring Batch** to develop batch processing to handle bulk requests from the clients.
* Used **Spring Security** for implementing authentication and authorization and access control features.
* Used **JSON** for data exchange between client and server.
* Used **Hibernate** for Object Relational Mapping (ORM) to interact with **Oracle** database.
* Unstructured data was handled using **Cassandra DB** and used Cassandra Connector for connection.
* Composed and executed **Cassandra DB** scripts and queries to fetch and test data from **NoSQL** databases.
* Utilized the Node package manager(NPM) along with **Gulp** and **Bower** for the build.
* Experienced in working with **Babel** and **Webpack** in application build and deployment processes.
* Deployed and Monitored Micro Services Using **Pivotal Cloud Foundry**, also Managed Domains and Routes with the **Cloud Foundry**.
* Used **Apache Kafka** (Message Queues) for reliable and asynchronous exchange of vital information between multiple business applications.
* Experience in using **Drools** rules engine for defining business rules and Validations.
* Used combination of **Chai** and **Mocha** for testing each node modules.
* Creating/Managing release plan, sprint deliveries, responsible for version control using **SVN** and configuration of the project, keeping track of project activities, Sprint execution and planning in **Rally**.
* Designed and reviewed the test scenarios and scripts for given functional requirements and automated test cases in **Selenium**.
* Used **Docker** to containerize application by configuring properties, variables for build files to be deployed continuously across multiple platforms.
* Performed unit testing using **Junit**, integration and deployment of applications using tools **Maven**, **Jenkins** & debugging through **Log4j**.

**Environment**: HTML, CSS, LESS, JavaScript, Bootstrap, React JS, Node JS, Express JS, REST, Cassandra, JSON, Microservices, JAX-RS, Spring Boot, Spring MVC, Spring ORM, Spring Data, Spring Batch, Spring Security, Gulp, Pivotal Cloud Foundry, Apache Kafka, Drools, Chai, Mocha, SVN, Rally, Selenium, Docker, Maven, Jenkins and Log4j.

**Client: PNC BANK, Cleveland, OH May 2014 – June 2015**

**Role: Java/UI Developer**

**Description**: PNC offers a wide range of services such as retail banking and residential mortgage banking for customers from individuals and small business, to corporations and government entities. Cash Flow Insight (CFI) is an innovative suite of online tools for seeing and managing business's cash flow. Developed single page applications and designed presentation layers for various required services for customers.

**Responsibilities:**

* Designed and Developed **J2EE** web application using **HTML, CSS, Backbone JS, Ember JS, jQuery, Bootstrap, Core Java, Spring MVC, Hibernate, JPA, Oracle**.
* Developed web contents using **CSS** and **Bootstrap** responsive layout design to fit different devices.
* Developed front-end web pages by using **Bootstrap, HTML, CSS, JavaScript**, taking advantage of the framework **Backbone JS, Ember JS** and **Angular JS**.
* Used **Backbone**.**JS** and **Ember**.**JS** to create Controllers to handle events triggered by clients and send request to server.
* Involved in the creation of interface to manage user menu and Bulk update of Attributes using **Backbone JS, Ember JS.**
* **JQuery** library has been used for creation of powerful dynamic Web Pages and web applications by using its advanced and cross browser functionality.
* Developed the front-end framework, monitoring user interfaces using **Angular JS** Widgets using Custom directives.
* Used **Angular JS** for client-side validations and business logic to reduce interaction with application server.
* Experienced in maintaining usability by creating input boxes, containers etc. using ng-directives of **Angular JS.**
* Implemented **Angular JS** service such as $http and UI-router handle **AJAX** calls to communicate with the Spring MVC controllers and request **JSON** data from database layer.
* Used **Spring MVC** framework and various in-house custom tag libraries for the presentation layer.
* Developed the application by implementing MVC Architecture using **Spring MVC** where Controllers for Handling HTTP requests.
* Configured the xml files for **Spring Security** injection to ensure the back-end security by discriminating the role of users as well as access authority for the URIs and Server-side assets.
* Implemented role based authentication and authorization using **Siteminder** and **Spring** **Security.**
* Separated cross cutting concerns from the business logic for better performance using **Spring AOP.**
* Developed Web services using **JAX-RS and Jersey** and worked on all types of HTTP requests.
* Used **JAX-RS** to dynamically dispatch requests based on the location using Sub Resource locators.
* Built a **REST** API to save and retrieve data using a remote server in Java using **Oracle**, **Apache CXF** and **JAX-RS**.
* Used **Hibernate**, object relational-mapping (ORM) solution, technique of mapping data representation from MVC model to **Oracle** Relational data model with a SQL-based schema.
* Integrated spring with **Hibernate** using configurations and implemented DAO layer to save entities into data base.
* Extensively used **Hibernate ORM** in data access layer to write DAOs. Developed **Hibernate** mapping and Configuration files.
* Used **JMS** messaging framework in the application to communicate with a variety of external systems that house member and provider data and to a medical term translation application called Auto coder.
* Wrote various types of Business rules in the .drl (**drools** file) and .**ece**(expectation files) using **Drools** **rule** engine for business decision-making.
* Implemented **Java Messaging Service (JMS) - IBM MQ** Series provides independent and potentially non-concurrent applications on a distributed system to communicate with each other, Used to achieve **Service Oriented Architecture (SOA)**.
* Experience in working with **Gradle** for Dependency Management and as build tool.
* Deployed application in virtual server – **Amazon Web Services** for maintaining Volumes, Creating Snapshots and Security Groups in **AWS**.
* Monitored the error logs using **Log4J** and fixing the problems **Junit** and **Mockito** extensively for testing.
* Involved in running **Selenium** automation scripts and updating the scripts according to enhanced requirements using **Selenium WebDriver**.
* Smoke Test and Acceptance Testing with **Selenium** in multiple Java platforms.
* Used **GIT** a Source Code Management to maintain and manage the branches with issue tracking features.

**Environment**: HTML, CSS, JavaScript, Backbone JS, Ember JS, Angular JS, jQuery, AJAX, Bootstrap, Core Java, Spring MVC, Spring Security, Spring AOP, REST, JAX-RS, Jersey, Apache CXF, JMS-IBM MQ, SOA, Drools, Hibernate, JPA, Oracle, AWS, Log4j, Junit, Selenium,Gradle**,** GIT.

**Client: General Mills, Minnesota, MN Oct 2013 –May 2014**

**Role: Java/UI Developer**

**Description:** General Mills is one of the world's leading food companies. Developed the E-Commerce web application which is used for online food shopping which deals with all kinds of food products and brands. The requested data can be displayed in a summary view or through a detailed view. The application involves automated approval or rejection criteria to preprocess the Bill.

**Responsibilities:**

* Design and developed request and response in XML Schema (**XSD**) documents and **WSDL** for web service operations.
* Developed the UI Layer using **CSS, JSP, JavaScript, HTML, XHTML, JQuery, AJAX, XML and XPath.**
* Implementation using **Core** **Java**, **JSF**, **JPA**, **Multi-Threading**, **Collections** and **PL/SQL**.
* **JQuery** is used for making using a Web page’s **DOM** (document object model), adding effects to the page, animating elements.
* Coding of front end support controllers design using **JSF** components to make rapid application development in MVC design pattern.
* **JSF** will handle the **JSP** application to map with HTTP request.
* Used **JSF** framework with **AJAX** in developing user interfaces using **JSF** UI Components, RIA components, Validator, Events and Listeners.
* Working on implementing **JSF-Prime faces** tree for the data model viewer.
* Used **Prime** **Faces** library components for developing User Interface with flexibility.
* Worked on server-side implementation using **spring core, spring annotations** and integrated spring with **Hibernate** using Hibernate template to implement persistent layer.
* Used **Spring AOP** to reduce the amount of code written in controller classes and instead used **jointpoints** and **pointcuts** to call other classes methods according to advice.
* Implemented **Spring Batch** and **Spring Security** functionalities for processing the batch files and for authentication and authorizing users.
* Developed Web services **SOAP** to expose the business methods to external services.
* Implemented **SOAP** based Web services using apache **Axis2** and **JAX-WS**.
* Involved in system design and development using **Collections** and **multi**-**threading** for the action classes.
* Handled Java **multi-threading** part in back-end component, one thread will be running for each user, which serves that user.
* Implemented persistence layer using **JPA** that uses the POJO’s to represent the persistence with Oracle database tuples.
* Developed **PL/SQL** programming on **Oracle** database using **Oracle** SQL Developer and Java JDBC technologies.
* Created **Stored Procedures** and **Triggers** using PL-SQL for data retrieval and data modification.
* Developed various stored procedures and Packages in **PL/SQL**.
* Using **Rabbit MQ** as a Message Oriented Middleware for integrating applications.
* Integrating General Liability and Umbrella Liability applications through **Rabbit MQ** message broker using JMS.
* Used **Load** **Runner** to test applications, measuring system behavior and performance under load.
* Developed project by using **ANT** build tool to build and deployed application on **Apache Tomcat** server.
* Performed unit testing using **JUNIT** framework and tested Business Services.
* Used **SVN** version control to track and maintain the different version of the project.

**Environment**: HTML, XHTML, CSS, JSP, JavaScript, JQuery, AJAX, XML, JSF, Spring Core, Spring AOP, Spring Batch, Spring Security, SOAP, Axis2, JAX-WS, WSDL, JPA, PL/SQL, Oracle, Rabbit MQ, Apache Tomcat, ANT, JUNIT, SVN.

**Client:** **Helius Computech India Pvt Ltd. July 2011– Sep 2013**

**Role: Java Developer**

**Description**: This project involves developing a J2EE based framework to support dynamic report creation

from various distributed databases. The framework supports dynamic PDF report generation using iText, an

open source PDF generation library. The framework facilitates new report formats and databases by using xml

configuration files.

**Responsibilities:**

* Involved in requirements gathering and validating functional specifications.
* Work involved extensive usage of **HTML, CSS, JQuery, JavaScript and Ajax** for client-side development and validations.
* Responsible for the overall layout design that meet cross-device compatibility using **Bootstrap**, color.
* Implemented the **Model View Control (MVC)** design pattern with **Struts**, **JSP** **and Servlets** to control the flow of the application in the Presentation/Web tier.
* Scheme of the web site using **HTML**, and **CSS** and Responsible for creating detailed wire frames and process flows.
* Used Struts framework along with **JSP, HTML, CSS, Bootstrap** and **JavaScript** to construct the dynamic web pages (presentation layer) for the application.
* Performed Validation (Client Side & Server side) with the help of **Struts** Validation Frame Work.
* **Struts** framework is helpful to manage the objects and exposing the services to presentation layer.
* Developed web layer using **Struts** framework to manage the project in MVC pattern.
* Used **Struts** Tiles Framework for designing the layout of the application.
* **EJB** was implemented as middleware and **XML** and **servlet** in the presentation layer.
* Used **EJB** as a middleware in developing a three-tier distributed application.
* **EJB** Session Beans were used to process requests from the user interface and CMP entity beans were used to interact with the persistence layer.
* Developed **SOAP** based webservices using **JAX-WS** and **AXIS2** framework by following Bottom Up approach.
* To consume a **SOAP** based webservices prepared the **WSDL** document.
* Extensively worked on java concepts such as **OOPS**, **Exceptional** **handling**, **Multithreading** and **Collection** framework.
* Involved in converting database objects to Java objects conversion with the help of **IBatis** persistence framework
* Used **Rational Rose** to design **UML diagrams** (Use Case Diagrams, Class diagrams and Sequence diagrams).
* Consistently produced the highest quality code through disciplined and rigorous unit testing and integration testing.
* Develop and execute Unit Test plans using **JUnit**, ensuring that results are documented and reviewed with Quality Assurance teams responsible for integrated testing.
* For extracting data from source developed a **UNIX** **shell scripting**.
* These implemented **UNIX** **shell scripts** to call stored procedures to extract data and place it in database.
* Used **SVN** for version controlling and **Eclipse** as IDE.

**Environment**: HTML, CSS, JQuery, JavaScript, Ajax, Bootstrap, Struts, JSP, Servlets, EJB, XML, SOAP, JAX-WS, AXIS2, WSDL, OOPS, IBatis, Rational Rose, Junit, UNIX, SVN, Eclipse.

**Client: Aircel, Hyderabad, India Aug 2009 – July 2011**

**Role: Jr Java Developer**

**Description**: Aircel is one of India’s leading innovative mobile service providers. As a young data led telecom player, Aircel has constantly been at the helm of introducing innovative and value for money products and services for its customers, which are industry firsts, be it the Aircel Pocket Internet, taking the first step in making 3G affordable for the masses, being the first telecom player to introduce Facebook Voice Updates on Aircel, and many more.

**Responsibilities:**

* Developed the web applications using Core Java concepts like **threads** and **Collections**.
* Involved in developing **JSP** forms.
* Designed and developed web pages using **HTML**, **Java Script** and **JSP**.
* Designed various applets using **JBuilder**.
* Designed and developed **Servlets** to communicate between presentation and business layer.
* Developed controller in **Servlets** and views in **JSPs** to enforce/implement **MVC architecture**.
* Involved in Web application development using **Struts**.
* Designed and developed **Struts** action classes, DAO and Views using **Struts** custom tags.
* Used **WSAD** for writing code for JSP, Servlets, and **Struts.**
* Used **JMS** in the project for sending and receiving the messages on the queue.
* Developed the **Servlets** for processing the data on the server.
* Developed **SOA**P based web services using **JAX-WS** by following Bottom Up approach.
* The processed data is transferred to the database through Entity Bean.
* Developed **DAO** pattern to send or retrieve data from the database.
* Used **JDBC** for database connectivity with **MySQL** Server.
* Accessed **stored** **procedures** and functions using **JDBC** **Callable** statements.
* Used **batch processing** in **JDBC** for fast performance.
* Created **custom** **triggers** to automatically populate **data** different tables.
* Developed build script using **ANT** to build, package, test and deploy application in **WebSphere** application server
* Created **UNIX** **shell** **scripts** to automate the build process, to perform regular jobs like file transfers between different hosts
* Used **CVS** for version control.
* Involved in unit testing using **Junit**.

**Environment**: HTML, CSS, JavaScript, JSP, Servlets, JBuilder, Struts, WSAD, JMS, SOAP, JAX-WS, DAO, JDBC, Stored Procedures, Batch Process, Triggers, WebSphere, Ant, UNIX , CVS, JUnit