**Bharadwaj Ambati**

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**PROFESSIONAL SUMMARY:**

* Experience working with various SDLC methodologies based on **Agile**/**SCRUM** like **Test Driven Development(TTD), Incremental** and **Iteration methodology, Pair Programming, Agile Development.**
* **Developed modules using Angular, Node, ExtJS, React, Bootstrap, JavaScript, Ajax, query, CSS3 and HTML5**
* **Experienced in Full stack UI technologies using Grunt, Gulp Server, and Yeoman generator for Angular.**
* **Expertise in using inbuilt and custom AngularJS directives and filters to add functionalities to the web page.**
* Experience in **Angular 1.5/2.0** along with Bootstrap, CSS3 to create reusable components for RWD applications.
* Experienced in Server-side validations using **Ajax** in **NodeJS and** Client-side validations using **Angular JS**
* **Strong experience in developing applications using Core Java concepts like OOPS, Multithreading, Collections Frameworks, Exception Handling, Data structures and JDBC.**
* **Experienced with XML related technologies such DTD/Schema, XML, XSLT (DOM, SAX), and XPATH.**
* **Developed core modules in large cross-platform applications using JAVA, J2EE, spring 3/4/Boot, Hibernate, JSP, Servlets, EJB, JDBC, Web Services (SOAP, REST), And Micro Services.**
* **Strong experience in Spring Framework modules such as Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Spring Netflix**
* **Experienced in implementing Service Oriented Architecture and Web Services using SOAP, REST.**
* Developed Micro services using **Spring Boot** and deploying Micro services into **AWS cloud** using **Jenkins**.
* **Experienced in Middleware persistence frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL), HSQL Named Queries, Criteria, and Projections.**
* Experience in implementing Java EE design patterns such as **MVC, Singleton, Factory, Adapter, Service Locator**, **Session Facade, DAO, DTO, and Business Delegate** in the development of N-Tier distributed Enterprise Applications.
* **Experience in creating Docker images, Containers, push/pull and integrating with Spring Boot.**
* **Experience in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: Oracle 9i / 10g / 11g, Postgres SQL and MYSQL.**
* **Experience in working with NoSQL** databases like **MongoDB**, **Cassandra**.
* Hands on experience in **Amazon Web Services** provisioning and good knowledge of **AWS** services like **EC2, S3, Elastic Beanstalk, ELB (Load Balancers), RDS,** Route53, Cloud Watch, Cloud Formation, IAM, SNS.
* Used Jenkins as a primary tool for implementing the **CICD** during code releases, worked with **CICD** pipe line to build and deploy transcending application on **AWS.**
* Expertise with employment of **Apache Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* **Hands on experience with build tools like Ant, Maven, Gradle and Logging tools like Log4J.**
* Monitoring and logging tools such as **ELK Stack** (Elastic search, Log stash, and Kabana).
* **Experience with CICD, Maven, Gradle, Jenkins, CVS.**
* **Experienced in using IDE's such as Eclipse, STS, Rational Application Developer (RAD), Net Beans, and IntelliJ.**
* **Experience in testing with JUnit Framework using Mockito and Easy Mock, Spring JUnit Runner, JMeter.**
* **Experience in working with web servers Tomcat 8, Web Sphere 8.x/9.x, Jetty, JBoss7.1.0 and Web Logic**
* Part of **Scrum, Sprint review, Retrospection** and **Virtual Closure** meetings as a part of Agile.
* Experience in unit testing using **Karma, Junit, Mockito, TestNG** and integration testing using **Continuum, Selenium, Hudson** and **Apache Camel**.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | **Java 1.6/1.7,1.8, Unix Shell Scripting, PL/SQL, C**, **Scala** |
| **Java/J2EE Technologies** | **Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC, Swing, AWT, Applets, Multi-threading, Java Networking** |
| **Application/WebServers:** | **WebLogic, IBM WebSphere, JBoss, Tomcat** |
| **Frameworks** | **Struts 2.x/1.x, Spring 4.x/3.x, Spring Boot, Hibernate 4.x/3.x, JSF 2.0/1.2** |
| **IDEs** | **Eclipse, IntelliJ, STS, WSAD** |
| **ORM Frameworks** | **Hibernate, JSF, IBATIS** |
| **Web technologies** | **JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, HTML5, Bootstrap, Angular JS, React JS, Backbone JS, Node JS** |
| **Web Services** | **JAX-WS, JAX-RPC, JAX-RS, REST, SOAP, WSDL, UDDI** |
| **Methodologies** | **Agile, Scrum, TDD, Waterfall** |
| **Modeling Tools** | **UML, Rational Rose, Visio** |
| **Testing Tools and Technologies** | **JUnit, JMeter, HtmlUnit, Jasmine, Selenium, Karma, Jenkins, JIRA, Mockito** |
| **Database Servers** | **Oracle 11g/10g/9i/8i, DB2, SQL Server 2012/2008/2005/2000, MySQL** |
| **Version Control** | **GIT, CVS, SVN** |
| **Build Tools** | **ANT, Maven** |

**PROFESSIONAL EXPERIENCE:**

**Client : UPS, Alpharetta, GA**

**Duration : June 2017 – Till Date**

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

**Description:**UPS is a global leader in logistics, offering a broad range of solutions, facilitating international trade, and deploying advanced technology to more efficiently manage the world of business. Rooted in the innovative use of technology, UPS's unmatched global network enables the broadest and most reliable solutions in the industry.**.**

**Responsibilities:**

* Involved in the analysis, design and development phases of the **Software Development Life Cycle** (SDLC) using **Agile (SCRUM**) development methodology to deliver regular updates to business team and project managers.
* **Developed UI pages using HTML5, AngularJS 2.0, Bootstrap, CSS3, JavaScript, jQuery, AJAX and Nodes.**
* Build the reusable service components with **AngularJS, Bootstrap,** and **JSX** that are used across various modules.
* Used Selectors, Events, AJAX and Dom Manipulation components in **Angular 2.0directives, filters, services.**
* Used NodeJS for doing non-blocking design operation for server-side code.
* Built REST by building **Nodes** in the back-end to handle requests sent from the query Ajax calls.
* Implemented **jQuery** to develop the widgets and to perform the client-side validations, UI centric **Ajax behavior**.
* Used **Executor Service multithreading** to implement **Thread pool, parallel processing** to run processes asynchronously using future calls to access the data.
* Developed using new features of **Java 1.8 annotations**, **Generics**, enhanced for loop and Enemas.
* Used advanced java 8 features like **Lambda expressions** for array operations, **Streams, Method reference, collections**. Enhanced concurrency methods etc. throughout the application for well-defined programming.
* **Implemented design patterns like MVC, Singleton, Business Delegate, Factory, and Service Locator.**
* Developed Restful web services using **Spring MVC REST framework** and **JAX-RS**.
* Used **Spring MVC Rest Controllers**, Services along with Dependency Injection, **Spring JMS** and **Spring Security**.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status.
* Used Annotations for **Spring DI**, **Auto wiring** and Spring MVC for REST API s and **Spring Boot** for **Micro services**.
* Implementing or exposing the **Micro service** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Experienced in logging with **ELK Stack** by using **Elastic search, Log stash,** and **Kibana**.
* **Using Swagger UI registered micro services, monitored service health check from Spring Boot admin console.**
* **Used Oauth 2.0** authentication protocol respectively for **security** and **authorization**.
* **Experienced circuit breaker patterns and fail safe in Spring Boot Micro Service applications using Hysteria and monitored the services using Hysteria Dashboard.**
* Experience in performance tuning with **Oracle database**. Designed and developed file upload and file download features with **Oracle BLOB and CLOB.**
* **Experienced HQL, Named Parameters, Named Queries and Interfaces such as Expression, Query and Criteria for implementation of Hibernate template and extensively used Hibernate Cache.**
* Wrote SQL **queries, stored procedures, triggers, views, and** enhanced performance with explain plans.
* **Developed DAO layer using Cassandra and** expertise in **CQL (Cassandra Query Language)**, for retrieving the data present in Cassandra cluster by running queries in **CQL**.
* Deployed Spring Boot based micro services into **Docker container** using **Amazon EC2** container services.
* Developed API for using **AWS Lambda** to manage the servers and run the code in the **AWS.**
* Used **AWS Cloud watch** in alerting, maintaining and monitoring of production and corporate servers/storage.
* **Experience with building Docker Images and running them on Docker container.**
* Designed and configured management reports and dashboards using **Kibana**.
* Worked on Test automation framework using **Selenium** web driver.
* Familiar with **Cucumber, Selenium Web Driver, Selenium** commands and **X-path** and developed **grunt** tasks to run the unit tests on **Jenkins** and Used **JIRA** to assign, track, report and audit the issues in the application.
* **Worked with several testing frameworks such as JUnit and Mockito**
* **Used Eclipse based Spring Tool Suite (STS) for development and debugging Spring Boot applications.**
* Configured and administered **Jenkins for CI/CD** into **Tomcat** Application Server.

**Environment:** **Java 8/J2EE, Spring 4.x, Spring Boot, Spring Quartz, Docker, Hibernate 4.x, XML, Microservices, Angular4, XML 1.x, Java Beans, Hystrix Dashboard, Tomcat, Oracle 11g, JavaScript, REST, Kafka, AWS IAM, Agile Methodology, Spring Eureka, JIRA, SVN, Maven, Jenkins, Mockito.**

**Client : UHG, Southfield, MI**

**Duration : April 2016 – May 2017**

**Role : Java Full Stack Developer**

**Description:** eMedical System is an online application which has been developed at UHG. The objective of the project was to redesign a hospital management system from a thick client-server application to a thin web-based client. The project was designed for the hospital/clinic to manage their patients, their treatments, their results. The redesigned application can now let patients also login to the system to setup/change their appointment, view their treatment plans and pay their bills.

**Responsibilities:**

* Implemented **agile methodologies**, actively involved in technical meetings, requirement gathering, analysis, planning, effort estimation, coding, development and testing.
* Developed User Interface application modules using **HTML**, **CSS** and **JavaScript, JSON, query** and **AJAX**.
* **Wrote client-Side code using Reacts and used NPM and gulp directories to generate the server environments used flux with redub framework to manage targeted URL’s and to monitor the application.**
* **Used Reacts to implement rich functions in various pages: form validation, crud, grid list, search, sort, pagination, multi-selection, tags-input, advanced/custom directives, authentication, unit tests, etc.**
* Extensively used **jQuery, NodeJS** in implementing various GUI components in application portal.
* **Worked with controller, service and view components in applications using spring 3.5 framework.**
* Extensively used various modules in **spring like AOP, DI (IOC), Bean Wiring, Spring Inheritance, Auto Wiring, Spring JDBC Templates and Spring Quartz Schedulers for Jobs.**
* **Service Oriented Architecture (SOA) was exposed through Restful web services with loose coupling between layers using spring framework during development.**
* **Designed and developed Micro services using REST framework and Spring Boot.**
* **Enterprise level web applications were supported by building spring based Java and Scale micro services.**
* **Consumed messages from JMS-Message driven beans** and **Active MQ.** Integrated **Active MQ** with **Beans.**
* Experience in Creating, Dropping Indexes, Tables, Stored Process and Views on **Oracle DB**.
* **Cloud environment for micro services was provided using spring cloud Netflix (Eureka server, Hysteria, Ribbon).**
* Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* Deployed the Application into **Docker** container and made easily accessible at runtime using **Cloud Foundry** and other cloud services like **AWS, Netflix Eureka, and Spring Hysteria** as fallback method.
* Used **Spring Ribbon** for load balancing and broker service to maintain status using **Spring Kafka** and **Zookeeper.**
* Developed **CI/CD** system with Jenkins on **Kubernetes** container environment utilizing **Kubernetes**.
* Reading the log files using **Elastic Search**, **Logstash** and alerting users on the issue and saving the alert details.
* Used micro-framework to implement with REST API and **Mongo DB** (NO SQL) as back end database.
* Created JSON Data and stored as documents comprising documents, data types and conversions in **MongoDB.**
* Configured **AWSEC2** instances, **S3Buckets** and Cloud Formation Services based on the business requirements.
* Utilized **AWS Lambda** to upload data into **AWS S3** buckets and to trigger **Lambda** Functions Including **EC2.**
* Expertise on **Soap UI**, **Selenium** Data Driven framework and integrating it with **Maven** [Build Management Tool], **Testing** [Unit Testing tool] and **Jenkins** [Continuous Integration Tool].
* Worked with **JAXB** parser for marshalling and Unmarshalling XML data.
* Used **IntelliJ** to develop and debug the application.
* Used **Maven** as build and dependency management tool for creating **EAR, WAR and JAR** file to be deployed in application servers and integrated with **SVN, Jenkins, and Jenkins Jobs.**

**Environment:** **Java 1.8, Spring Boot, Microservices, HTML5, CSS3, Bootstrap, Angular2, SOAP, Microsoft Visio, Jenkins, Amazon Web Services S3, UNIX/LINUX, NoSQL(MongoDB), GitHub, TestNG, Log4j.**

**Client :** **American National Insurance Company, WaterLoo, IA**

**Duration : Feb 2015 – March 2016**

**Role : Sr. Java/J2EE Developer**

**Description:** American National Insurance Company is a leading insurance organization offering a broad range of insurance products and insurance-related services. ANIC provides insurance protection to more than 5 million businesses and professionals in the US and also internationally. This Project helps registered customers to buy insurance online. It integrates and manages customer login, processes credit cards, shipping information, shopping sessions and various views of products and services up for sale. The complete system was divided into two modules, a website that manages customer login details and an order management system that fulfills purchase order.

**Responsibilities:**

* Involved in **Brain Storming sessions, Daily Scrum meetings, Sprint planning** and estimation of the tasks for the user stories.
* Gathered and clarified requirements with business analyst to feed into high-level customization design, development and installation phases.
* Used design patterns like **Singleton, Factory, MVC, Front Controller, Service Locator, Session Facade** and **DAO.**
* Involved in the front end using **JSP, HTML, JavaScript, AJAX**.
* Developed the web application by using **PrimeFaces** employing **AJAX** at client -side components which enables rich web application content in **GUI's**.
* Worked on Spring modules like **Dependency Injection, Aspect Oriented Programming** and **Spring Mail, Spring JMS and Spring Security**.
* Involved in development of Agent Verification System using **Spring MVC framework**.
* Extensively used **Hibernate mappings, HQL, EHCache, Query, Criteria, Lazy loading Transactions** and**Lockings**.
* Spring AOP is used for **logging, auditing** and **transaction management** to distinguish business logic from the cross-cutting concerns.
* Developed **Batch Rescore Tool** to rescore multiple claims using Multithreading.
* Designed the user interactive web pages using web technologies like **HTML5, XHTML**, and **CSS3**.
* Used jQuery to make the application highly interactive and used JSON objects effectively for efficient client-side coding.
* Designed most interactive web using **AJAX**, **JSON**, **JavaScript**, and **Bootstrap**.
* Used **Spring JMS** to post and consume the messages from the **IBM MQ Server**.
* Worked with **Spring controllers, View Resolvers** and **Model** and **View Objects.**
* Used **Spring Mail** for sending emails to the customers and business.
* Extensively used **hibernate named queries, criteria queries, Hibernate Query Language (HQL)** and **Optimistic Locking** and **Caching** to process the data from the database.
* Implemented **Quartz jobs** for running the **batch jobs** based on the **cron triggers** configured in the Spring files.
* Involved in deploying and testing the application in **JBoss** application server.
* Used **MongoDB** as a NoSQL for storing JSON data.
* Responsible for continuous monitoring and managing **Elastic Map Reduce cluster** through **AWS** console.
* Implemented validation rules using **JBoss BRMS** (Business Rule Management System).
* Developed unit and integration test cases using **JUnit**, and **Mockito**.
* Used **CVS** as version control software.
* Used **Ant** for building and deploying the Web applications.
* Used **JIRA** tool for tracking stories progress and followed agile methodology.

**Environment:** **Java 1.8, Spring MVC, JSP, JMS, Hibernate, HTML5, XHTML, CSS3, Java Script, Backbone JS, AJAX, CVS, IBM MQ, MongoDB, Mockito, Junit, JBoss, Web Services, PrimeFaces, AWS, BRMS, Eclipse, Ant.**

**Client :** **Valley National Bank, Wayne, NJ**

**Duration : Aug 2013 – Jan 2015**

**Role : Sr. Java/J2EE Developer**

**Description:** Securities lending system provides a single, centralized, real-time system for borrowing and lending of securities like stocks, Fixed Income Instrument (T-bill and T-notes). Requests to borrow are routed to specified lenders and associated execution information is returned to the borrower without manual intervention. Securities Lending System has Desktop Client for call center and website for international users. User can specify time limit, rebate rate, collateral type, delivery details, maximum price and books.

**Responsibilities:**

* J2EE deployment on **WebLogic** servers
* Troubleshooting issues that may occur during the test cycle for the **J2EE** applications on **Struts and Spring framework** running on **WebLogic** servers.
* Developed services that are reusable and interoperable, based on **SOAP, WSDL, JAX-WS, JAX-RPC Web services**.
* Well versed in Core Java concepts like **Collections, Swing, Serialization and Servlets & JSP**.
* Developed **POJO** objects and used **Hibernate** as the **Object-Relational Mapping** tool to access the persistent data from **SQL Server**.
* Hands-on writing **Stored Procedures, functions, triggers, DDL, DML SQL queries**.
* Did load testing of **SOAP Web Services** using **SOAP UI** and **Apache JMeter tools**.
* Developed a GUI to help to read the logs generated by the scripts, the GUI was created using flask, D3, jQuery table sorter.
* **GWT** (Google Web Tool Kit) is used to build and develop the **MAT** Application.
* Knowledge of using **Apache Camel** through Fuse Mediation Router.
* Implemented Internationalization using Spring MVC Interceptors and spring core modules.
* Used **Spring validation framework** to implement the server-side validations.
* Effective use of data structures and algorithms to solve complex problems, reducing time complexity and memory usage.
* Used **JMS** (Java Mailing Service) API to mail notifications upon the success or failure when the backend processes are completed and also to send mail notifications regarding any system related problems.
* Developed business components using core java concepts like **Inheritance, Polymorphism, Collections, Serialization, Multithreading,** etc.
* Developed user interface using **JSP** with **JavaBeans, JSTL,** and **Custom Tag Libraries, JS, CSS, Node JS, HTML, SASS,** andAjax to speed the application.
* Prepared and presented **UNIX** production and implementation schedules to the Project Manager and client.
* Wrote **PL/SQL Queries, stored procedures, triggers** and **prepared statements**.
* Responsible for developing the connection pooling for FileNet Server implementing spring framework concepts such as Transaction management and DAO support.
* National level complex problem-solving competition, using JAVA, Data Structures, and Algorithms.
* Implemented **Screen Navigation** using **JQuery** and **Spring MVC**.
* Involved in generating **JAXB** classes from schema files.
* Developed Test classes using **JUnit** and **Easy Mock** and test coverage using **EMMA** plug-in.
* Worked with **Splunk** to logging and analyzing defects status.

**Environment: Java, J2EE, UNIX, Oracle WebLogic Server, Spring core, JMeter, Spring MVC, Hibernate, JSP, JSTL, SOAP, GWT, Apache Camel, FileNet, Ajax, jQuery, HTML5, CSS, SASS, Splunk, Junit, Easy Mock, EMMA.**

**Client :** **Walgreens Health Initiatives, Chicago, IL**

**Duration : Dec 2010 – July 2013**

**Role : Java/J2EE Developer**

**Description:** Walgreens Health Initiatives (WHI) is the pharmacy benefit management arm of the drugstore giant Walgreen. WHI is part of Walgreen’s managed care division (called Walgreens health Services), it administers the pharmacy benefit programs for millions of help companies lower their health insurance costs. The Retrospective Drug Utilization Review (RDUR) application is a Web based member in the US. Its services include formulary design, disease management programs and mail-order pharmacy services that application responsible for the identification of drug therapy conflicts and the update and stratification of member profiles.

**Responsibilities:**

* Involved in the **design** and **development** phases of **Agile Software Development**.
* Analyzed current mainframe system and designed new **GUI screens**.
* Developed the application using 3 Tier Architecture i.e., **Presentation**, **Business**, and **DataIntegrationlayers** in accordance with the customer/client standards.
* Played a vital role in **Scala framework** for web-based applications
* Used **FileNet** for **Content Management** and for streamlining **Business Processes**.
* Created Responsive Layouts for multiple devices and platforms using foundation framework.
* Implemented printable chart report using **HTML, CSS,** and **jQuery**.
* Applied **JavaScript** for client-side form validation.
* Worked on **UNIX** and **LINUX** to move the project into the production environment.
* Created Managed Beans for handling pages and include logic for processing of the data on the page.
* Used **Object Relational Mapping** tool to achieve an object to database table persistency.
* Worked with **Core Java** to develop automated solutions to include web interfaces using HTML, CSS, JavaScript and Web services.
* Created simple user interface for application's configuration system using **MVC design patterns** and **swing framework**.
* Developed web GUI involving HTML, JavaScript under MVC architecture.
* Creation of **WebLogic** domains and setup Admin & Managed servers for JAVA/J2EE applications on **Non-Production** and **Production environments**.
* Involved in the configuration of **Spring Framework** and **Hibernate mapping tool**.
* Monitoring WebLogic/JBoss Server health and security.
* Creation of **Connection Pools, Data Sources** in **WebLogic console**.
* Written Web Services (JAX-WS) for the external system via SOAP/HTTP call.
* Used **Log4j** framework to log and track application.
* Used **Rational Clear Case** for Version Control.

**Environment:** FileNet, HTML, CSS, JavaScript, jQuery, Scala, Java, JSP, Core Java, Spring, Swing, Hibernate, JSF, UNIX, SOAP, XML, IBM WebSphere 6.1, Rational Clear Case, Log 4j, IBM DB2.

**Client :** **AIG Life Insurance, Hyderabad, India**

**Duration : June 2009 – Oct 2010**

**Role : Java/UI Developer**

**Description:** This system provides Patient Administration, Billing and Pharmacy Management functions for the hospital. The Major function of this system is to provide and share the patient health records and access with other insurance companies through SOAP services.

**Responsibilities:**

* Involved in requirements gathering, implementation and setting up the development environment.
* Designed components for company's object framework using best practices and J2EE design patterns such as **Model-View-Controller (MVC),Data Access Object**, Value Object, and Business Delegate.
* Actively participated in the complete life cycle of development, from the design phase to implementation Phase.
* Creating use cases, class diagrams, activity diagrams and collaboration diagrams.
* Responsible for environment setup in **LINUX** environment.
* Played a key role in the development of server-side functionality of handling the requests and responses using Java Servlets.
* Created Data Access Object **(DAO)** which is used by the Hibernate API calls to interact with the database.
* Used **HTML, CSS, JavaScript, jQuery** for designing the UI.
* Designed and implemented Web Services calls for service provider methods.
* Used **Apache Tomcat** as the server to run the application.
* Used **Oracle** as the relational database
* Used **GIT** as the version control repository.
* Developed unit testing using **JUnit.**
* Involved in developing new functionality as per the needs of the users.

**Environment:** JSP, Servlets, Struts framework, MVC, Java Beans, JDBC, Tomcat, Linux, Oracle 10g, JavaScript, HTML, CSS, JavaScript, jQuery, GIT, JUnit.