**Venkata Amala Bhargav Rana**

**PROFESSIONAL SUMMARY**

* Having **6+ 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 applicationwith **Agile Methodology**, **Waterfall Methodology** and **Test-Driven Development.**
* Experience in Front-End UI technologies like **HTML5, CSS3, JQuery, JSON, Ajax, AngularJS**, **Angular2, Angular4, NodeJS, Bootstrap, Tag Libraries, JSTL.**
* Hands on Experience in developing web applications by using Spring framework modules like **Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Spring Batch** and **Spring Data.**
* Proficient in developing **J2EE** enterpriseapplications in **Service Oriented Architecture** and **Micro Service Architecture.**
* Expertise in developing data models using **Hibernate** Object relational mapping (**ORM**) framework and used **Hibernate Annotations** to reduce time at the configuration level.
* Developed the application using **Java 8** and implemented its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, foreach.**
* Proficient in using Amazon Web Services **AWS**. Extensive experience focusing on services like **EC2, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache.**
* Expertise in **J2EE** Technology- **Servlets, Struts,** **Spring, JDBC, JTA, JPA, Hibernate** and **JMS.**
* 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.
* Deploy application updates to **AWS** and monitored the load balancing of different instances.
* Expert in **Core** Java with strong understanding of **Garbage Collector, Collections, Multithreading, Event handling, Exception handling** and **Generics.**
* Experience with distinctive **design patterns** like **Singleton, Factory, Prototype, Business Delegate, Session Facade, Service locator, Visitor, Observer, Decorator, Front Controller, DAO** and **MVC.**
* Worked with design and development of robust and highly scalable Web Service platforms and **API’s** based on **REST** and **SOAP** for enterprise applications using **AXIS,** **WSDL, UDDI, XML, JAX-WS, JAX-RS, JAXB, JAX-RPC** technologiesand **Jersey** frameworks.
* 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**).
* Expertise in XML technologies such as **XSL, XSLT, XML schemas, XPath, XForms, XSL-FO** and **parsers like SAX, DOM**
* Experienced in building **Web Services** for Service Oriented Architecture (**SOA**).
* Strong experience in designing and developing data models and accessing from Java applications using
* **SQL, PL/SQL, ORM tool Hibernate** and has experience with **NoSQL** databases like **MongoDB.**
* Experience in **JMS** over messaging to exchange the information in more reliable and asynchronously for enterprise applications.
* Proficient with build automation tools like **Gradle, Maven** and **Ant** for builds and deployments to different environments.
* Experience on different **IDEs** such as **Eclipse, RAD, Spring Tool Suite, IntelliJ** and deployment using Application Servers like **Apache Tomcat, BEA WebLogic, Web Sphere, Glassfish, Camel** and **JBOSS**
* 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.**
* Experience on **UNIX/LINUX** Shell Scripting and Deployment of Applications in Server.
* Decent Experience in using code repository tools **GIT**, **Tortoise SVN,** and **Visual Source Safe.**
* 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** | Java, J2EE, Java8, C, PL/SQL, SQL |
| **Operating system** | Windows, Unix, Linux |
| **Java & J2EE Technologies** | Java, J2EE, JDBC, Hibernate, JSF, XML Parsers, JSP Servlets, EJB, JMS, Struts, Spring, Java Beans, Web Services, AJAX. |
| **Framework** | Spring, Security, Tiles, AOP, Struts. |
| **ORM Tools** | Hibernate, IBatis |
| **XML Technologies** | XML, SAX, DOM, XSL, XSLT, XPath, WSDL, SOAP. |
| **Web Technologies** | Java Script, HTML, CSS, SOAP, REST, Micro Services, AWS (Amazon Web Services) Boot Strap, Angular JS, jQuery |
| **Servers** | Apache Tomcat, BEA Web logic, IBM Web sphere, JBoss. |
| **Databases** | Oracle, DB, MSSQLServer, MySql, PostgresSQL. |
| **IDE/ Testing Tools** | Eclipse, IntelliJ, SOAPUI, RAD. |
| **Concepts** | UML, Design Patterns. |
| **Configuration Management Tools** | SVN, WinSCP, CVS, VSS, Clear Case. |
| **Build Scripts** | Maven, ANT, Jenkins, Hudson. |
| **Methodologies** | Waterfall, Agile. |
| **Defect Tracking Tools** | Bugzilla, Jira, HQ. |
| **Others** | Log4J, JUnit, Ant, Maven, Rational Rose, Putty, XQuery, Hudson, Node.js, Groovy and Grails. |

**PROFESSIONAL EXPERIENCE**

**Client: AT&T, Plano, TX Mar 2019 – Till Date**

**Role: Full Stack Java Developer**

**Description:**Order Capture Engine (OCE) is a Commercial and Service Order Management System developed internally in AT&T. Objective of OCE is to develop an open source based, best of breed, highly scalable and customizable system that serve as the order engine for most of retail products.

**Responsibilities:**

* Worked on High level and low-level system design, planning, estimation and implementation
* Developed presentation layer using **JSP, HTML5, CSS3** and client validation using **JavaScript.**
* Developed Single page application and structured the **JavaScript** code using **AngularJS.**
* Design and develop template-based User Interface using **Bootstrap** and **Angular JS.**
* Handled all the client-side validations, slide show, hide and show controls, dropdown menus and tab navigation using **JQuery.**
* Developed the application using **Java 1.8** and implemented its features like **Lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, foreach.**
* Excellent in deploying the applications in **AWS** as **EC2** instances and create snapshots for the data that must be stored in **AWS S3**.
* Utilized **Amazon** Web **Services** (**AWS**) **EC2** to deploy **Docker** containers.
* Create and configured the continuous delivery pipelines for deploying **Micro Services** and **Lambda functions** using **Jenkins** **CI** server.
* Worked on development and implementation of the **MVC** Architectural pattern using **Spring Framework**.
* Extensively used various **Spring Framework** modules like **MVC, Dependency Injection (IOC), Auto Wiring, Spring Security and AOP**. Created and injected **spring services**, **spring controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
* Used **Spring MVC** framework 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 customer log data and transactions details etc.
* Implemented Batch jobs to deal with large number of chunks using **Spring Batch Framework** to execute the similar jobs simultaneously.
* Designed and integrated the full-scale **Hibernate** persistence solution with the application architecture.
* Involved in design and development of the **Hibernate Domain Model** for the service.
* Involved in using **JPA** (Java Persistence API) frameworks and APIs as **JDO** and **Hibernate.**
* Enterprises Integrated Pattern Implemented with **Apache Camel (ESB).**
* Developed a **RESTful** based service for data retrieval to make it independent of the current application.
* Involved on development of **RESTful** web services using **JAX-RS** in a **Spring** based project.
* Worked on **XML** and **JSON** for transferring and retrieving data between different applications.
* Wrote services to store and retrieve user data from **MongoDB** for the application on devices.
* **WebSphere** is used as an Application Server to Deploy the Application.
* Restful web evices
* Experience in using **JUnit** and build tools such as **MAVEN.**
* Collaborated with testers and developers and prepared test plans for producing high quality software applications
* Worked on **Log4j** for logging errors, messages and performance logs

**Environment:** Java 1.8, J2EE, HTML5, CSS3, JQuery, Bootstrap, JavaScript, AngularJS, NodeJS, Hibernate, Spring MVC, Spring IOC, Spring boot, spring security, XML, GIT, JSP, JUnit, Maven, IBM WebSphere, Apache, JAX-RS, Restful, Amazon Web Services (AWS), Micro Services, Log4J, Oracle, Mongo DB, WSD and Spring Tool Suite.

**Client: Capital One, Wilmington, DE Oct 2018 – Feb 2019**

**Role: Java/J2EE Developer**

**Description:** The move money services help general users and investment users, to carry monetary transactions among friends, family and to manage loans and pay bills.  The project consisted of developing and maintaining services of Capital One move money services like bill pay, home loan accounts, mortgage accounts etc. the services were developed maintained and tested for the devices and the web. We worked on the architectures, services and the front end UI for each of the applications.

**Responsibilities:**

* Worked on High level and low level system design, planning, estimation and implementation
* Implemented the front end using **HTML 5, XHTML, DHTML, XML, CSS3, JavaScript and Angular JS**
* Used **JQuery, AJAX** to interact with **Java Servlet**
* Build responsive application using **AngularJS** & **Node JS**
* Experienced with **AWS** services to smoothly manage application in the cloud and creating or modifying the instances
* Functional, non-functional and performance testing of key systems prior to cutover to **AWS**
* Worked on **Spring Framework** for Dependency and Transaction Management
* Implemented **Multithreading, Concurrency, Exception Handling and Collections** whenever necessary
* Developing **REST** **Web Services** using **Spring boot** to make the application more reusable and loosely coupled
* Designed and implemented **MongoDB** based database and created **REST** enabled Web Services on **Jersey framework**
* Used **Test driven development (TDD)** approach for application development
* Involved in writing **JSP**. Used **JSTL** Tag library to create standard dynamic **webpages**
* Designed and developed Application based on **Spring** framework using **MVC** design patterns
* Good knowledge on the Spring modules like **Spring IOC, Spring MVC, Spring Web flow, Spring AOP, Spring DAO and Spring Security**
* Used a micro services architecture, with **Spring Boot** based services interacting through a combination of REST and MQ or Apache Kafka message brokers and leveraging AWS to build, test and deploy Identity Micro Services
* Created RFP (Request for Proposal) **micro services** to provide **RESTful** API utilizing **Spring Boot** with **Spring MVC**
* Designed and developed **RESTful** Services to retrieving configuration **JSON** documents related to customer Implemented Persistence layer using **Hibernate** to interact with the **Oracle** database, Used **Hibernate Framework** for **object relational mapping** and **persistence**
* Involved in development of **Spring DAO** layer which invoked database queries
* Used **Active MQ** to communicate with controller and used service layer to implement the business logic
* Used the KCL client library to consume the data from **Kinesis** stream and do further process for putting the data into S3 bucket
* Development of infrastructure automation in **AWS** (**EC2**, **Dynamo DB**, **Lambda**, **EBS**, **RDS**, **Dynamo**, **ELB**, **EIP** etc) with **AWS** **Cloud** Formation
* Migrate Data from databases such as **MongoDB, SQL** and **Dynamo dB** to Amazon Redshift
* Used Hibernate **ORM** tools which automate the mapping between **IBM DB2 SQL** databases and objects in Java
* Configured development environment using **Web Sphere** application server for developer’s integration testing
* Implemented Continuous Integration (CI) using **Jenkins** and continuous deployment
* Worked on installation of **Docker** using **Docker** toolbox
* Deployed and tested the application in **UNIX** on **Web Logic** Application Server
* Created **Maven** build file to build the application
* Used **Log4j** for debugging, testing and maintaining the system state
* Maintained project documents and resources using **Subversion**

**Environment**: Java, HTML5, CSS3, JavaScript, JQuery, AngularJS, Spring Framework, Spring boot, Node JS, SASS, AJAX, JSTL, Spring MVC, DAO, IOC, Hibernate, REST, TDD, Eclipse, PL/SQL, Jenkins, Oracle, JAX-RS, AWS, JMS, Active MQ, SOA, UDDI, WSDL, Web logic, Agile, MAVEN, Log4J, Micro Services, Subversion, Docker, UNIX

**Client:** **Colonial Life Insurance, Columbia, SC Jan 2016 – Sep 2018**

**Role: Java/J2EE Developer**

**Description:** This is an online application that enables clients to access, review and update their products purchased from Colonial Life Insurance. The primary users of this application are Colonial Life Insurance policy owners, agents and customer service representatives. The application provides an integrated environment for account management, policy changes/renewals, monthly premium dues alerts, claims processing status.

**Responsibilities:**

* Used **Agile** methodology and actively participated in **Scrum** meetings to produce quality deliverables within time.
* Developed the presentation layer using **HTML, DHTML, CSS, Java Script, JSPs and XML**.
* Designed and implemented application using **Spring MVC, Spring IOC, Spring AOP, Spring Transactions Management, Hibernate.**
* System built using **Model-View-Controller (MVC)** architecture. Implemented the application using the concrete principles laid down by several **design patterns** such as **Composite View**, **Bean Factory**, **Singleton**, **DAO** and **DTO**.
* Used **Hibernate** framework for back end development and **spring dependency injection** for middle layer development.
* Used **Spring** Aspect**s** for implementing functionalities like logging functionality.
* Configured **JPA** to use **Hibernate**.
* Implemented different types of **spring controllers** as per application requirements.
* Extensively used **Spring IOC**, configured **Application Context** files and performed database object mapping using **Hibernate annotations**.
* Developed **Web services** to allow communication between applications through **SOAP.**
* Wrote Database objects like **Triggers, Stored procedures** in **SQL**.
* To build the application used **Maven.**
* Deployed an application in **WebLogic** application server.

**Environment:** Java, J2EE, JSP, HTML, DHTML, CSS, JavaScript, XML, JSP, REST Web services, SOAP, Hibernate, JPA, JDBC, SVN, SQL Server, PL/SQL, Agile, MAVEN, Eclipse.

**Client: Udyog Software, Hyderabad, India Jun 2015 – Dec 2015**

**Role: Java Programmer**

**Description:** Udyogsoftware is a pioneer in providing tax automation products, solutions for both direct and indirect taxes. The application developed offers various computation & filing services for account payable, account receivable and payroll transactions and is a preferred tax solution partner for various ERP vendors and implementers.

**Responsibilities:**

* Responsible and active in the **analysis, definition, design, implementation, management,** and deployment of full **software development life-cycle** of project.
* Designed **Use case diagrams, Class diagrams and Sequence diagrams** using **UML.**
* Developing User Interface and implementing business process using **JSP** and **Servlets.**
* Developed the front-end User Interface using **HTML, JavaScript, CSS3, JSON, JQuery.**
* Worked on the development of presentation layer and GUI framework in **JSP.** Client Side validations were done using **JavaScript.**
* Developed an API to write **XML** documents from a database. Utilized **XML** and **XSL** Transformation for **dynamic web-content** and **database connectivity.**
* Responsible for coding **SQL Statements** and **Stored procedures** for back end communication using **JDBC.**
* Generated Jar files are deployed on **Weblogic Server** and **Eclipse** as **IDE** tool.
* Worked on code reviews and mentored the team in resolving issues.
* Participated in weekly design reviews and walkthroughs with project manager and development teams.
* Used **Tortoise SVN** for the concurrent development in the team and for code repository.
* Used **Log4J** for debugging the application.

**Environment:** HTML, JSP, Servlets, JDBC, UML, JavaScript, CSS, JSON, jQuery, JDBC, Struts, Log4J, Web Logic, Eclipse IDE, XML, XSL, Tortoise SVN, Windows.

**Client:** **Edutech Information, Hyderabad, India Aug 2013 – May 2015**

**Role: Jr. Java Developer**

**Description:** The objective of this project is to implement a web based front end system which can be used by the employees, managers and higher level management having specific role permissions for effective processing of day to day business activities in the company like leave management, project management and resource management etc.

**Responsibilities:**

* Involved in understanding and analyzing the requirements of the project.
* Followed **Waterfall** Methodology to implement the features.
* Used Java **JDK** features to implement the functionalities.
* Designed and developed the User Interface using **HTML**, **JavaScript**, **AJAX** and **CSS.**
* Implemented **Struts MVC** design pattern and front controller pattern.
* Developed Action Class components for performing business process execution and involved in configuration of struts configuration specific xml file.
* Created and handled Custom-**Exceptions** that are related to business operations. Created child **Threads** to improve the performance by running some independent tasks at background.
* Developed Server-Side components for the business services for creating Items, **BOM**, Sourcing Rules, and substitute.
* Used **Log4j** for logging purposes during the development of the application.
* Used **JDBC** to interact with the underlying **MySQL** Database.
* Extensively worked on **SQL** for writing complex queries in the business logic layer.
* Deployed Applications on **Apache Tomcat Server** and used **CVS** as the version control manager.
* Used **Mantis** for tracking the issues and for enhancements of any features.
* Used **Eclipse IDE** to integrate the different frameworks to build the overall application.

**Environment:** Java, JDBC, JDK, Servlets, Struts, JSP, Hibernate, Java Mail API, AJAX, HTML, XML, ANT, Log4J, CVS, RAD, Putty, MySQL, Mantis, Apache Tomcat, Eclipse IDE, Waterfall Methodology.