**Krishna Mandava**

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**Professional Summary**

* Around 8 years of extensive development experience in an environment building n-tier applications for web deployment using Java, J2EE, Spring Frame Work, Spring MVC, Spring Boot, Hibernate and Web Services.
* Extensive SDLC experience including Requirement Analysis, Preparations of Technical Specifications Document, Design and Coding, Application Implementation, Unit testing and System Testing, Functional and Regression Testing and Production Support.
* Expertise in implementing Service Oriented Architecture (SOA) using Microservices, SOAP/RESTful web services and JMS
* Experience in developing web applications using JSP, Spring Boot, Spring MVC Frameworks, EJB, Hibernate, Spring Security, JBOSS, JDBC, Java Server Pages, Servlet, Web Services, JavaScript, JavaBeans
* Good knowledge in relational and NoSQL databases like MySQL, SQL Server, IBM DB2, Oracle, Cassandra, DynamoDB, MongoDB.
* Experienced in working with XML technologies like XSL, XSD, XSLT, SAX, DTD, DOM, XML Schemas, XPath and JAXB.
* Developed applications using Core Java, J2EE, JSP, Servlets, Struts, Spring 3.2, Spring 4.0, Hibernate, Web Services (SOAP, REST), JAX-RS, JAX-WS, JMS, JDBC, XML, JavaScript, Angular, XSLT, JSON, Ajax and jQuery.
* Expertise in designing and developing Web-centric applications using HTML5, CSS3, Java Applets, JavaScript, XML, XSD, JSON, Ajax, jQuery, Bootstrap, Angular.js, Angular2/4/6/7, Node.js, ReactJS, Tag Libraries, Google Web Toolkit (GWT) and Custom Tags.
* Experienced in developing persistence layer using O/R Mapping tool like JPA, Hibernate, Spring-JPA and MyBatis.
* Experience with distributed message brokers Kafka, RabbitMQ, ActiveMQ
* Experience in using Maven and ANT as build tools for the building of deployable artifacts.
* Experience in creating JSON scripts for Cloud Formation based on requirements and launch stacks.
* Performed deployment and support of cloud services including Amazon Web Services (AWS).
* Good knowledge of in Unified Modeling Tools (UML) concepts and extensively worked in designing Use Cases, Class diagrams, Sequence and Object Diagrams using Rational Rose and Microsoft Visio.
* Developed Technical Design (TD), Test Plans (UTP), Test Cases (UTR), Test Scripts for UAT tests
* Good Understanding and hands on experience on various Database tools like Oracle, SQL, PL/SQL, MySQL and NoSQL Database (Cassandra, MongoDB)
* Solid Hands-on experience in end to end implementation of CI and CD (Continuous Delivery), DevOps processes using AWS Code Commit AWS Code Deploy, AWS Code Pipeline, Jenkins, and Ansible
* Expertise in building and deploying of EAR, WAR, JAR files and working with various version control systems such as ClearCase, CVS, SVN, TFS and GitHub.
* Worked extensively with Waterfall, RUP, Agile Extreme Programming (XP), SCRUM Methodologies.
* Excellent analytical, problem solving and interpersonal skills. Ability to learn new concepts fast. Consistent team player with excellent communication skills.

**Technical Skills**

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| **Languages** | Java, SQL, PL/SQL, PostgreSQL, Python, Elastic Search, ASP.NET, Test Driven Development (TDD) |
| **J2EE Technologies** | Servlets, Spring 3.x/4.x, Spring Boot 1.2.3, JSP, JDBC, JSTL, JNDI. |
| **Web Technologies** | HTML, CSS, XSLT, XML, jQuery, JavaScript, Angular4 JS, Node JS, Radiant, Logic Virtual Directory ,**2.**0 Ext js, JQuery, AJAX, JSON. |
| **LAN Technologies** | Faster Ethernet, Ethernet Gigabit Ethernet, DNS |
| **App/Web Servers** | IBM WebSphere Application Server 6.1/7.x/8.x, IBM Business process, Management v8.x, JBoss Application server, WebSphere, Tomcat, BEA Web Logic |
| **Frameworks** | Struts, Spring, Spring MVC, Micro Services – MVC |
| **SOA** | Web Services (Restful, SOAP, WSDL). |
| **ORM Tool** | Hibernate |
| **Tools** | Load Runner, Log4J, Ant, BIRT, Jenkins, Kafka, TOAD, PL/SQL Developer |
| **IDEs** | Eclipse |
| **Databases** | Oracle 10g, 9i, 8i SQL Server, Couch base 2.5.1,3.03, Mango DB. |
| **Version Control** | SVN, Clear Case |
| **Operating Systems** | Linux, Windows, Mac OS |
| AWS Skills | EC2, S3, RDS, EBS, IAM, AMI, ELB, CLI, SNS, RDS, VPN, NAT, GIT, DNS, Route53, DBA, Dynamo DB, Auto scaling Servers, Glacier, Storage Lifecycle rules, Elastic Beanstalk, Cloud Front, Functional knowledge of Import/Export Snowball, Elastic ache, VPC, Direct Connect, Route 53, Cloud watch, Cloud trail, IAM &Roles, SNS subscription service. |

**Professional Experience**

**Role: Sr Java Full stack Developer Date: Mar 2019 till Date**

**Client: Wells Fargo Bank, Columbus, OH**

**Responsibilities**:

* Primarily responsibility is application design and development of big data application for business requirements in agreed architecture framework and Agile environment
* Interfaced with upstream and downstream systems to gather requirements. Worked extensively on Spring boot for building web service.
* Involved in developing SQL queries and stored procedures to Insert, fetch and update records into the database using Spring JDBC.
* Used Spring Batch integrated with Quartz to schedule job to generate a fixed length file and FTP it to the mainframe location.
* Developed projects leveraging Angular6/7 and MVC framework.
* Developed high speed distributed computing frameworks AWS EMR, Kafka Streams
* Build and scale REST web services for extremely high availability using multi-datacenter, multi-cloud architecture
* Designed and developed SOAP web service to provide data to other systems.
* Provided spring based RESTful Web service. Responsible for creating and maintaining architecture for Restful API using Spring Boot.
* Used Docker containers to quickly deploy Linux based applications.
* Used AJAX and JSON to make asynchronous calls to the project server to fetch data on the fly.
* Worked extensively on developing controllers, Interfaces and implementation classes using Spring MVC framework & used a Microservice architecture with Spring Boot based service through REST.
* Managed and maintained Oracle and NoSQL databases in production domain.
* Designed 10 Unique themes with rich and flexible to accommodate different scenarios in which the user might want to display the data.
* Used Microservices architecture to break down the monolithic application to independent components.
* Implementing or exposing the Microservices based on Restful API utilizing Spring Boot with Spring MVC.
* Used new Java 8 features, such as Lambda expressions, Streams and Functional Interfaces.
* Deployed the application by using JBoss web server.
* Worked on database migration across platforms and/or from other RDBMs technologies.
* Used Core Java8 and Spring API in developing the business logic using Agile Methodology.
* Used Apache Kafka cluster as messaging system between the APIs and Microservices.
* Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining, troubleshooting, Elastic Load Balancers (ELB) and Relational Database Services (RDS).
* Developed API for using AWS Lambda to manage the servers and run the code in the AWS.
* Developed and used REST web services for the reporting frame work.
* Used Maven for Project management and build automation.
* Responsible for configuring Continuous Integration (CI) Server i.e., Jenkins.
* Followed Agile & Scrum Methodology for development of the applications.
* Used Liquibase for tracking, managing and applying database changes.
* Automated test cases related to JDBC Connections, JMS and Web Services in Apache JMeter.
* Created purge scripts to purge old data from the Database.
* Troubleshoot build issues in Jenkins, performance and generating metrics on master's performance along with jobs usage.
* Responsible for preparing the release implementation plan and provide support during Production implementation.

**Environment:** Java/J2EE, AWS, Microservices, Spring MVC, Spring JMS, Spring Boot, Spring Security, Spring JDBC, Spring Batch, Angular6/7, Docker, SOAP Web Services, IBM Web sphere MQ, Web logic 12.1.1, XML, Apache JMeter, Sql Server 2012, DynamoDB, Cassandra, Kafka, Maven, Liquidate, SoapUI, Eclipse 3.8 and UNIX.

**Role: Java Developer Date: Aug 2017 till Feb 2019**

**Client: AbbVie Inc. North Chicago, Illinois**

**Responsibilities:**

* Understanding the Business Process and developing logic and software stack based on business flow.
* Analyzed Hadoop cluster using analytics tools including Flume, Pig, Hive, HBase, Oozie, Zookeeper, Sqoop, Spark and Kafka.
* Develop the REST Microservices using Java JDK 1.8, Scala, on IntelliJ platform by gathering the knowledge of previous phase resources and integration with Oracle.
* Used core java8 concepts like Collections, Generics, Exception handling, IO, Concurrency to develop business logic.
* Implemented React JS Controllers to maintain each view data.
* Building and updating Azure product documentation to help customers deliver solutions on Azure
* Implemented core Java code with data structures and algorithms to the back-end.
* Using advanced level of HTML5, AJAX, JavaScript, CSS3 and pure CSS layouts.
* Implemented application-level persistence using Hibernate and Spring. Developed various UI (User Interface) components using Struts (MVC), JSP, and HTML.
* Developed internationalized multi-tenant SaaS solutions with responsive UI's using Java or ReactJS, with NodeJS and CSS.
* Used a Microservices with Spring Boot-based services interacting through a combination of REST and Rabbit MQ or Apache Kafka message brokers.
* Developed business logic of the application by using java 8 using lambda expressions, method references, functional interfaces and latest collection API to reduce the code.
* Design application structure for implementation in Scala and Java on the Play framework
* Used XML and JSON for transferring/retrieving data between different Applications.
* Responsible of maintaining a VBA Excel legacy app written for the Consultants.
* Followed Kanban process for tracking the progress.
* Configured Gulp to perform various UI build and test related tasks and used NodeJS NPM and Bower to manage the dependencies.
* Generated user-friendly Dashboards and reports using the Telerik tools using ASP.NET.
* Implemented spring boot micro services to process the messages into the Kafka cluster setup
* Working on development of ecommerce platform for multi tenants built in Java (Spring Boot) and Angular JS/React.
* Upgrade Kafka across versions and identify/fix any issue for production version to meet general needs.
* Advising clients on the principles and benefits of DevOps and Agile delivery
* Analyzed Cassandra database and compare it with other open-source NoSQL databases to find which one of them better suites the current requirement.
* Developed reusable Ext JS components Such as Viewport, Panel, and Grids etc.
* Involved in developing various reusable Helper and Utility classes using Core Java.
* Expertise in working on transformations in MuleSoft.
* Good Experience in IDE's like Eclipse, Net Beans and integrating it with Maven, JUnit and Log4j/Slf4J
* Involved in the development of presentation layer and GUI framework using EXTJS and HTML. Client-Side validations were done using JavaScript.
* Developed single page application using AngularJS, NodeJS, Express JS and MongoDB with ng-view directive.
* Developed scripts in Python and Excel VBA to automate the data analysis, generating statistics isolating trends in memory failures.
* Create new Spring Boot microservices and deploying to PCF.
* Developed Excel UI/Applications to pull and process data stored on SharePoint using VBA.
* Experience with Spring MVC, Spring Boot
* Designed the UML, created class, sequential diagrams using Borland Together Architecture, modified code, configured WebLogic server and project in Oracle.
* Developed a Web 2.0 control console using GWT to manage data matching for data staging.

**Environment:**REST Microservices, Java JDK, React JS, HTML5, AJAX, JavaScript, CSS3, Spring MVC, Spring Boot, Web 2.0, Python, Maven, JUnit, Kafka, Excel VBA, AngularJS, NodeJS, Express JS, MongoDB.

**Role: Java Developer Date: June 2016 till July 2017**

**Client: Principal healthcare, New jersey**

**Responsibilities**:

* Implemented application-level persistence using Hibernate and spring.
* Involved in detail design developing use cases, use case diagrams, class diagrams, sequence diagrams and high-level activity diagrams using UML from the requirements.
* Implemented the Connectivity to the Data Base Server Using JDBC.
* Developed web application using JavaScript frameworks like Angular1.4/2/4, and Node JS.
* Used Web Services (SOAP) for transmission of large blocks of XML data between two interfaces.
* Installing and Configuring Eclipse and WebSphere application Server.
* Deployed the applications on IBM WebSphere Application Server.
* Responsible for creating and maintaining architecture for Restful API using Spring Boot.
* Setup GitHub and use of Git bash for code submission in GitHub repository.
* Installed and configured Hudson/Jenkins for Automating Deployments and providing an automation solution.
* Involved in the process of **data modeling** Cassandra Schema
* Created Typescript reusable components and services to consume REST API's in Angular 2.0
* Developed test cases and performed unit test using JUnit Framework.
* Designed and developed the application using agile methodology and followed TDD, Scrum.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services
* Developed the Servlets for processing the data on the server.
* Used Maven to build and generate code analysis reports.
* Analyzed the Maven dependency management in the base code to annotate the dependencies on to Spring Boot application into Gradle for Microservices.
* Implemented API controllers (SOAP and REST) and web services client classes to interact with downstream systems.
* Deployed and Monitored Micro Services Using Pivotal Cloud Foundry, also Managed Domains and Routes with the Cloud Foundry.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Used SAX and DOM parser to parse the XML documents and XSLT for transformations.
* Analyzed business requirements and documented them into business stories in JIRA
* Based on Service Oriented Architecture (SOA) using AXIS web service framework.
* Used Java Messaging Services (JMS) for reliable and asynchronous exchange of important information
* Deployed the developed web components on Apache Tomcat Web-Server.
* Involving in Building the modules in LINUX environment with ant script
* Writing and Optimizing MySQL Queries and connect queries to story.

Environment: Docker, AWS, Micro Services, Spring, DB2, CRUD, PL/ SQL, JDBC, MongoDB, Cassandra, Angular Js, Apache CXF, Git, GitHub, Junit, Scrum, UML, JSP, JSTL, Servlet, Maven, XML, JIRA, Web 2.0, SOA, JMS, Apache Tomcat, LINUX, PHP.

**Role: Java Developer Date: Jun 2015 to May 2016**

**Client: Rakuten USA, Inc.** **San Mateo, California, United States**

**Responsibilities:**

* Involved in designing and developing the RDBMS to build up the required databases to provide the client with desired application functionality.
* Spring ORM with Hibernate was used to develop entities, DAO and services to manage the databases. Furthermore, the project's models and repositories were implemented using Spring Annotations.
* Created and implemented RESTful Web Services using spring to retrieve relevant data from the central repository to render into the UI.
* Implementing Spring MVC XML based configurations and the Controllers to map the user requests and return the Model and View objects.
* JavaScript was used to design the User Interface and dynamic web pages, and Angular helped render and provide a more user-friendly experience.
* Designed web page components using JavaScript/Typescript and Angular for incorporate nested views in Single Page Application using routes and achieving access grant using Route Guards.
* HTML, CSS, JavaScript, MongoDB and Angular were used for frontend to develop the database and web system for rendering facile course management for the users.
* Used Angular as a framework to create a Single Page Application (SPA) to bind data to speciﬁc views and synchronize data with the server.
* User Interface was crafted with HTML, CSS and JavaScript.
* Used Mongoose to access the documents from the Node-JS web server and build data models for the entities in the database schema.
* Used Git as Version Control System to manage and synchronize the code efficiently with the team.
* Used JIRA for bug management/fixes, and JUnit provided unit testing.

**Environment:** Java, spring, RESTful Web Services, Hibernate, Node.JS, Mongoose, MongoDB, MySQL, Angular, Typescript, Bootstrap, HTML, CSS and Git.

**Role: Java Developer Date: Jul 2013 till May 2014**

**Client: Trident Software, India**

**Responsibilities:**

* Prepared High-Level requirement documents upon gathering requirements and discussed with the technical team regarding the feasibility of the requirements.
* Involved in writing SQL Queries, Stored Procedures and Triggers.
* Used Bootstrap, NodeJS for effective design of Web pages.
* Working on the spring framework like Spring IOC and Spring DAO.
* Design and implementation of front-end User Interface development using HTML, DOM, CSS, JSP, JSTL, Java script and jQuery and AJAX.
* Implemented the MVC architecture using Apache Struts Framework.
* Configuration and deployment of application on to JBOSS application server.
* Developed various EJB's to handle business logic.
* Worked on JDBC to select and update the data from the MySQL database
* Designed and implemented database structure in MySQL Server
* Written and consumed webservices using SOAP based.
* Used SOAP UI for testing SOAP based webservices.
* Performed Java web application development using J2EE and NetBeans.
* Involved in creation of automation framework using Selenium and testing.
* Involved in Requirement analysis, design and Implementation applying the Water fall model.
* Wrote Servlets programming and JSP scripting for the communication between web browser and server.
* Working with the JIRA tool for Quality Center bug tracking.
* Developed Swing for user interaction and data presentation.
* Deployed the complete Web applications in Tomcat Application server.
* Install and configure a LINUX server to publish applications and the Database
* Automated daily task by writing PL/I and UNIX shell scripts.
* Involved in packaging, deployment and upgrade of different modules of SAS on JBoss App server.
* Developed Java Script and Action Script, for Client-Side validations.

Environment: Java, JEE, Spring, JSF, EJB, JQuery, MySQL, SQL Server, DB2, SOAP, WSDL, NetBeans, JBOSS, ClearCase, Selenium, Water Fall Model, UML, JSP, Servlet, ANT, XML, JIRA

**Role: Software Developer Date: Jun 2011 till Jun 2013
Client: CRIANT Holdings PVT LTD, Hyderabad, INDIA**

**Responsibilities:**

* Applied Use Cases diagram to validate and test web application design against the UI architecture.
* Created web pages for each project using XHTML, CSS, and JavaScript.
* Used JQuery to handle the client-side validations.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular JS. Also developed internal services using Java and Node.js.
* Responsible for transforming designed mock–ups to web pages.
* Used to update the HTML pages using JQUERY AJAX via JSON response.
* Designed web pages and used applications that meet business needs and user goals through a user experience.
* Designed and developed AJAX calls to populate screens parts on demand.
* Developed Web applications that are cross – browser compatible.
* Responsible in creating the screens with table less design.
* Performing new–website support research in the areas of Latest Web Technologies, Usability, Accessibility, and User Experience.

**Environment:** HTML, XHTML, CSS2/3, JavaScript, jQuery, AJAX, JSON, JavaScript, Visio and Eclipse IDE.