**Krishna Gudimela**

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**Education**

**Master of Science in Computer Science Bachelor of Technology in Computer Science**

**Professional Summary:**

* Having **10 years** of experience in **object-oriented programming, analysis**, **development,** and testing of **Web-based**, distributed applications across the entire **Software Development Life cycle using Java** and J2EE Technologies.
* Strong experience in Spring Framework such as **Spring MVC, IOC, AOP, DI, Spring Boot, Spring Aspects, REST, Spring Integration, Spring Testing,** and **Spring JDBC.**
* Extensive experience in developing **client/server** and **web applications** using **Java, J2EE Standards, Webservices, JSP, Servlets, JMS, JPA,** and **Apache Maven**.
* Proficiency in implementing **multi-threaded** applications and in using design patterns like Factory Method, Abstract Factory, Singleton, Builder, Session fa Ade, MVC, and DAO patterns in software design.
* Experienced in Automating, Configuring, and deploying instances on **AWS**, Azure environments, and Data centers, also familiar with **EC2, Cloud watch, Cloud Formation,** and managing security groups on AWS.
* Experienced in developing **SOA** (Service Oriented Architecture) and J2EE **Web Services** based on **RESTful, SOAP, WSDL, UDDI, JAX-WS, JAXB, and JAX-RS** using tools like **Apache Axis.**
* In In-depth knowledge of **AWS** cloud services like **Network**, **Storage,** and **Identity** & **and access management**.
* Created automated pipelines in AWS  
  Code Pipeline to deploy Docker containers in  
  **AWS ECS**

using services like CloudFormation**, Code Build**, **Code Deploy**, S3, and Puppet.

* Good Experience in **React.js** for creating interactive **UI** using **One-way data flow, Virtual DOM, JSX, and React Native** concepts.
* Experience in using build/deploy tools such as **Jenkins, Docker, and OpenShift** for Continuous Integration and deployment for **Microservices**.
* Expertise in security hardening (iptables / selinux) major **Production Servers**, and compiling, building, and installing web server-based **Linux tools**.
* Expertise in XML technologies like DTD, XSD, XSLT, and various parsers like DOM, SAX, and JAXB. Highly skillful in developing Web Services, related technologies & and frameworks: WSDL, SOAP, RESTful, JAX-WS, JAXB, JAX-RPC, and AXIS & Jersey.
* Expertise in developing and implementing **algorithms** and **data structures** for the receiver in the frame of production and specifying unit tests and system tests for developed algorithms.
* Built **S3 buckets** and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on **AWS.**
* Experience in **AWS** solutions using EC2, S3, RDS, EBS, SNS, SQS, Dynamo DB and Elastic Load Balancer.
* Experienced in deploying applications on **Web Logic**, **Apache Tomcat**, and **IBM WebSphere** application servers.
* Experience in generating **Reports** and **Dashboards** on **Dynatrace** and **Splunk**
* Extensive experience working with **JUnit**, Selenium, TestNG testing tools, and **Automation framework for** implementing Page Object Model, using core java, Python**, Selenium WebDriver,** and Cucumber.
* Used **Jenkins** for **CI/CD** (Continuous Integration and Continuous Development).
* Strong Experience in building tools like **Gradle, ANT, and Maven**.
* Experience in application logging implementation using **Log4J** and **SLF4J**.
* Experienced in **RDBMS Design, ER modeling**, **SQL, PL/SQL**, **procedures, cursors, functions, triggers Professional experience:**

**Axon Enterprise- Seattle. March 2022 – Present**

**Role: Front end developer.**

**Responsibilities:**

* Used **React Native** for Ul building blocks a regular IOS and mobile apps
* Data Operations are performed using **Spring ORM** wiring with **Hibernate** and Implemented

**Hibernate** Template.

* Created **React**.JS components using JSX, followed FLUX design pattern for unidirectional data flow.
* Assisted in the migration of the codebase to the latest version of React, optimizing for performance. Spearheaded the development of a responsive and user-friendly e-commerce platform using **React**, resulting in a 20% increase in user engagement.
* Implemented state management using **Redux**, enhancing application stability and maintainability.
* Converted a monolithic app to a microservices architecture using Spring Boot using a 12-factor app methodology. Deployed, Scaled, Configured, and wrote manifest files for various **Microservices** in PCF.
* Used Webpack to bundle **Typescript** and JavaScript modules.
* Engineered backend services with Node.js and Express, optimizing API endpoints for speed and scalability. For client-side view rendering services, **React JS** typically used various predefined **Redux** libraries.
* Configured **React-Redux** for state management and **React-Router** for programmatic navigation.
* Implemented **Store-Redux** for holding the whole state tree of application and **Reducer-Redux** for describing actions.
* Used **TSLint** tool that checks **Typescript** code for readability, functional errors, maintainability.
* Created AWS Multi-Factor Authentication (**MFA**) for instance RDP/SSH logon, worked with teams to lockdown **security groups**.
* Develop and test stored **procedures** and triggers to work in conjunction with **UNIX scripts** and C/C++ applications. Developed, tested, and implemented stored **procedures**, **triggers,** and **shell scripts** (Perl & Korn) for **automated procedures** to replace old coded implementations in the Oracle and Informix Databases.
* Used **ReactiveX** for handling multiple events, errors and terminations of the event streams
* Bottle micro-framework implemented with **Restful** service and **used WADL (Web Application Description Language)** for modeling the resources provided by the services and relationships between them.

**Environment:** Java 8, J2EE, Spring Boot, REST, React JS, JSON, JavaScript, Bootstrap, AWS, HTML5, CSS3, Junit, My SQL server.

**USAA Auto Insurance-San Antonio June 2020 – March 2022. Role: Full stack Developer**

**Responsibilities:**

* Worked on Spring IoC, Spring MVC framework, Spring Messaging Framework, and Spring AOP to develop application service components.
* Used **Microservice architecture**, designed and developed RESTFUL web services using Spring Boot framework.
* Implemented Spring MVC framework in the application. Involved in developing code for obtaining bean references in spring framework using **Dependency Injection (DI)** or **Inversion of Control (IOC).**
* Configured Spring to manage objects and set their dependencies in a **Spring context** file and integrated middle tier with Spring application framework.
* Worked on highly advanced user interface design and development using Angular.js, **Node.js**, HTML and CSS.
* Successfully designed and developed **Java Multi-Threading** based collector parser and distributor process, when the requirement was to collect, parse, and distribute the data coming at a speed of thousand messages per second.
* Developed processing algorithms to improve code maintainability by 95%.
* Worked on user interface design and development using Angular.js, **Node.js**, Backbone.js, HTML and CSS.
* Developed and maintained scalable and high-performance backend services using **Node.js** and

**Express.js**, contributing to a 30% improvement in response times.

* Adept at creating **Python scripts** and automation tools to streamline repetitive tasks, enhance workflow efficiency, and improve productivity.
* Assisted in the development of a real-time chat application using **Node.js** and **Socket.io**, enhancing user engagement and satisfaction
* Design and Development of User Interfaces, and menus using **HTML, JSP, Java Script and XML, Ajax, JQUERY.**
* Working knowledge of **Node, Express, Graph SQL and Apollo Server**
* Updating queries for **GET and POST** requests using **Graph SQL**.
* Optimized Microservices using **Node]S** and ES6 as interfaces to Cassandra **NoSQL**

database.

* Created single-page applications with multiple modules using **Angular 7** and created application structures using Angular Style Guides.
* Created custom, self-contained, reusable, and testable **Angular** modules, controllers, directives, and services to implement key functionalities for customer account summaries.
* Build servers using **AWS** Importing volumes, launching **EC2**, creating security groups, Auto-scaling,

load balancers, Route53, SES, and SNS in the defined virtual private connection (VPC).

* Worked with the team in writing Python functions to create **AWS** Lambda function events required to develop the serverless microservices architecture.
* Know the partition of Kafka messages and set up the replication factors in the Kafka Cluster.
* Developed a core Java-based ETL tool that extracts data from sources like **IBM Cognos (XML**) & and

**MySQL** and dumps data in the target tables in the MySQL database.

* Created Tables, Stored Procedures, User Defined Functions, **Views,** and **Triggers** for different data operations on the **database using SQL server** using Java.
* Worked with **MongoDB** to store non-relational data in the collection and retrieve them whenever required.
* Used **Media Queries** for the design to be compatible with all devices.
* Worked with **iText5** library to generate dynamic PDFs from the backend.
* Looking into the**Dynatrace** and Splunk logs for hidden application errors
* Used the **JNDI** for Naming and directory services.

**Environment:** Java 8, Angular 7, Spring Boot, Docker, REST, AWS, EC2, lambda, Junit, Log4j, Maven, Splunk, Mongo DB.

**Copart Information Systems, Dallas. August 2019 – May 2020 Role: Java Developer**

**Responsibilities:**

* Developed application using **Spring MVC, JSP, JSTL (Tag Libraries),** and **AJAX** on the presentation layer, the business layer is built using Spring and the persistent layer uses **Hibernate.**
* Designed and coded Business Classes using **Spring IOC** and **AOP** features.
* Implemented various Core Java design patterns like **Front Controller, Service Locator, Business Delegate** and **Data Access Object, Factory Pattern, Session Façade, etc**.
* Worked on advanced software development methodologies such as **JIRA, Agile,** and **Waterfall**

methods.

* Involved in requirement analysis and participated in the design of applications using UML&OO Analysis, Design, and Development.
* Created both producer and consumer web service components using **REST** and implemented

**RESTful** web services.

* Implemented JMS-based **SOAP** Web service using spring CXF, JMS config, and Mule ESB. Built various capabilities in ESB like Security, Message routing, message transformation, transaction management, etc.
* Developed web services using **Rest API**.
* Work involved extensive usage of **HTML5, CSS3, Bootstrap, AJAX, AngularJS,** and JavaScript for client-side development and validations.
* Used **React JS** in components like JSX, creating React components and virtual components of the design patterns.
* Developed various test cases and performed unit testing using **JUnit**.
* Implemented **Maven** as a build and configuration tool
* Used GitHub for version control & and configured Maven for **dependencies** and **Log4J** for logging.
* Implemented different Design patterns like **DAO, Singleton, Factory, Delegate,** and **Front Controller.**
* Wrote Database objects like Triggers and stored procedures in **SQL**.

**Environment:** Java/J2EE, Spring, Hibernate, JSP, AJAX, XML, Web services, SOAP, Eclipse, HTML5, jQuery, Ext-JS, Log4j, Rational Rose, Junit, Web sphere Application Server, SQL.

**University of Texas at Arlington, Aug 2018– Aug 2019. Role: back-end Developer.**

**Responsibilities**

* Handled the **database** persistence using **JDBC**.
* Implemented the project using the **Spring Framework** used Spring IOC and Dependency Injection, Spring MVC
* Used Spring Framework and created the **Dependency injection** for the Action classes using ApplicationContext.xml.
* Using Java Script functions for the custom validations.
* Expertise in **Red hat Linux Capacity** and Performance Planning.
* Developed using Struts, JSPs and Tiles definitions.
* Developed **JSP** pages using HTML, JSTL Tag Library, Struts Tab Library, and JSP Custom Tags.
* Writing JSP form bean validations by using Struts Validation framework validation.ml, validator- rules.ml and message Resources.
* Designed and developed **REST web service** for validating address.
* Developed the application using JSF for front end, Spring to manage business layer components.
* Used Hibernate for object Relational Mapping and used JPA for annotations.
* Used **Criteria API** and HQL for data extraction.
* Performed Validations on Ul data using **JSF validations** and JavaScript
* Involved in implementing the rich user interface using JSP Standard Tag Libraries and worked with custom tags.
* Performed **client-side validations** using java script functions to implement various functionality
* Worked on ancillary technologies/tools portal/portlet development, **BPM, rules engines**, security/SSO, and UML
* Worked on **designing/developing** of large, transactional, enterprise class systems
* Worked on externally facing web-based applications.
* Involved in implementation of the presentation layer **GUI for the** application using JSF, HTML, XHTML, CSS and JavaScript.

**Environment**: Core Java, Java EE, Spring 2.5, Struts 2., Hibernate 3.2.1, IBM WebSphere 7, WebLogic 10.3, Apache Tomcat 6.0, Web

**Wipro Technologies, Hyderabad,India. June 2014– December 2017. Role: Software Engineer**

* Designed an analytics query language based on **JSON** and **Graph SQL**
* Created **Typescript** reusable components and services to consume REST API's using Component- based architecture provided by Angular 4/5.
* Implemented **JWT (JSON Web Tokens)** for creating tokens to assert claims in the application and thus providing **authentication** of **Restful** services.
* Implemented **Spring Batch** for processing large volumes of records, including **logging/tracing**, transaction management, job processing statistics, job restart, skip, and resource management in the application using **Quartz scheduler**.
* Experience in data modeling of **Cassandra**
* Managed all aspects of SAAS availability, scaling, automation, monitoring, and deployment tools.  
  Automation to download basic packages, Bash **Shell Scripts with Python** and KSH used for automating small tasks.
* Experience with querying on data present in Cassandra cluster using CQL (Cassandra Query Language).
* Used DataStax OpsCenter and Node Tool utilities to monitor the cluster.
* Published message services using Spring **AMQP’s Rabbit Template** and subscribed to the messages on **POJO** using the **Message Listener Adapter**.
* Worked with **Cassandra Node Connector** for database persistence to interact with **Cassandra NoSQL DB** with **Spring Data** to unify and ease the access to **Cassandra persistence** stores.
* **MySQL** database used to load the application data and **written PL/SQL procedure**s, and complex queries to perform various data operations.
* Implemented **Splunk** in the application for **log errors**, **exceptions**, **business logic,** and **log analytics**.
* Deployed the **dockized Spring Boot** application that is intended to be run on a dev local machine using **PCF (Pivotal Cloud Foundry).**
* Responsible for identifying and implementing new **SQL Server features** designed to improve **query performance**; this included utilizing new T-SQL language enhancements, performing in-memory optimization, and performance tuning with extended events.

Provided server administration**, shell scripting**, software installation, and Linux server configuration, utilizing LAMP

**Environment:** Java/J2EE, Spring, Hibernate, JSP, AJAX, XML, Web services, SOAP, Eclipse, HTML5, jQuery, Ext-JS, Log4j, Rational Rose, Junit, Web sphere Application Server, SQL.

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