**Kishore J**

**Full Stack Java Developer**

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**PROFESSIONAL SUMMARY:**

* Almost 7 years of software development experience in object-oriented programming, design and development of multi-tier distributed, enterprise applications using Java frameworks with software development life cycle.
* Good Experience in working SDLC Life Cycle including the requirement Gathering and analysis, design, development, testing and implementation of projects using software methodologies.
* Strong experience in Software Development Methodology such as **RAD, Agile (Scrum) methodology, Waterfall** for Object Oriented applications, and web-based Enterprise Applications.
* Proficient in Test-Driven Development (**TDD**) approach using **SCRUM** framework under **Agile Methodology**. Focus on
* consistency and attention to detail primarily related toward coding standards.
* Experience in Core Java with strong understanding of **data structures, algorithms, Collections, Concurrency, Multithreading, Event handling and performance tuning** like Heap Dump and Thread Dump Analysis.
* Extensive knowledge in implementing Object Oriented Programming (OOPS) using JAVA/J2EE technologies like **Core Java, JSP, JDBC, Spring, Hibernate, Restful web services**.
* Implemented business layer using **Core Java, Spring Beans using dependency injection, spring annotations, and Spring MVC components.**
* Expertise in developing applications using **Spring Boot, Spring AOP, Spring DI, Spring JDBC, Spring IOC, Spring ORM, Spring Security, Spring Batch, Spring Boot, Spring Data, Spring MVC.**
* Worked on J2EE design patterns like **MVC, Factory, Singleton, Decorator and Proxy Design Pattern**.
* Experience in backend/Server-side java technologies such as: **Web Services, Java Persistence API (JPA), Java Messaging Services (JMS), Java Database Connectivity (JDBC)** and Java Naming and Directory Interface (JNDI)
* Expertise in **Java8**features like Lambda and Functional interfaces, **Streams,** and **filters.**
* Expertise in implementing **Service Oriented Architectures (SOA)** with XML based **Web Services (SOAP/UDDI/WSDL).**
* Experience in integrating **Micro Services** Architecture with **Spring Boot** and **Docker containers.**
* Expertise in developing **Web Services** using **SOAP, RESTful, JAX-WS, JAX-RS and Apache Axis, CXF.**
* Experience in using **JSON Web Tokens** (JWT) to securely communicate JSON Objects.
* Expertise in relational databases like **Oracle, MySQL, DB2, SQL and PL/SQL**
* Developed Web API using **Node JS** and hosted on multiple load balanced API instances. Implemented application testability, diagnostics, and fixing bugs with the help of **REDUX (Reducers)**architecture.
* Involved in developing **UI** using **Spring** framework, **JSP, JSTL, HTML5, CSS, Typescript, JavaScript, jQuery, AJAX, Angular, NodeJS** and **ReactJS.**
* Extensive knowledge in developing applications in a **single page** using various JavaScript frameworks like **Angular, React.**
* Worked on new development and maintenance of the application with the goal of converting the legacy application to **microservices** architecture. Designed a monitoring solution for **Microservices**.
* Experience in using code repository tools like **BitBucket, GIT.**
* Worked with **Junit** for **unit testing, automation testing** and have good knowledge of **Root cause analysis.**
* Experience with unit test case frameworks **JUnit, Mockito, Log4j** and **SLF4J** in developing test cases.
* Working Knowledge on Amazon Web services and various services such as **ECS, Cloud watch, S3, EC2, RDS instances and IAM.**
* Experienced in designing, developing, and maintaining portal applications using **IBM Websphere** **Portal** on **Rational Application Developer (RAD)** .

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | Java, JavaScript, C, Python, PL/MySQL |
| **J2EE Technologies** | JSP, Servlets, JDBC, JNDI, JMS, JSTL, Java Beans, Multithreading, Collections, EJB |
| **Frameworks** | Spring, Spring boot, MVC, Swagger, Node JS, Angular JS |
| **Methodologies** | Agile, Waterfall, TDD (Test Driven Development) |
| **Build Tools / Pipelines** | Gradle, Maven, Docker, Jenkins, AWS |
| **App Servers** | Apache Tomcat, JBOSS, IBM WebSphere |
| **Version Control** | Git, BitBucket, IBM ClearCase, IBM ClearQuest |
| **Operating Systems** | Mac, Windows, Linux, Unix |
| **Testing technologies** | Junit, JMeter, Cypress |
| **Databases** | Oracle, MySQL Server, NoSQL, MongoDB |

**EDUCATION:**

# Bachelor of Technology: Computer Science – JNTU, India – April 2017

# Masters in Engineering: University of Cincinnati – USA 2019

**PROFESSIONAL EXPERIENCE:**

 **Client: Deloitte, Mechanicsburg, PA.**

**Role: Senior Software Engineer June 2023 –Present**

**Project Description:**

I played a key role in gathering requirements and designing the Integrated Eligibility Sub-System, employing Agile methodologies for efficient workflow. Using Spring MVC, I developed controllers for request handling and form submissions, integrated Spring framework for dependency injection, and designed front-end pages with HTML, JSP, JavaScript, jQuery, and Ajax. Hibernate was utilized for data persistence with HQL queries and annotations, while JUnit tests ensured robust application functionality. Managed project progress through Scrum and JIRA, employed Log4j for logging, and led a three-member team through multiple sprints from pre-release to post-release stages, ensuring successful project delivery.

**Roles & Responsibilities:**

* Involved in gathering requirements for the **Integrated Eligibility Sub-System.**
* Designed and developed the common page layout and created screens by assembling Tiles and screen definitions in centralized configuration files.
* Implemented whole application on **Agile methodologies** with clear, efficient workflow.
* Implemented **Spring MVC**, which includes writing Controller classes for handling requests, processing form submissions and performed validations using Commons validator.
* Integrated the application with spring framework for implementing Dependency injection and provide abstraction between presentation layer and persistence layer.
* Developed the front-end web pages using **HTML, JSP, JSTL, JavaScript, Jquery** and **Ajax** for presentation layer.
* Developed client-side validations using **Jquery, JavaScript, AJAX and custom tags.**
* Wrote various queries using **Hibernate query language (HQL)** and hibernate criterion queries to execute queries against database.
* Implemented hibernate mappings with annotations such as **@OneToOne, @OneToMany, @ManyToMany.**
* Involved in writing **JUnit** test cases.
* Developed the entire application using Spring Tool Suite and used **Maven** scripts for building the application.
* Updated the scrum in and **JIRA** for issue tracking.
* Used **Log4j** for maintaining application running logs.
* Lead 3-member team for multiple sprints from pre-release stage to post release stage.

**Environment:** Integrated Eligibility Sub-System Requirements Gathering, Spring MVC, Spring Framework, HTML, JSP, JSTL, JavaScript, jQuery, Ajax, Hibernate, HQL and criteria queries, JUnit, Spring Tool Suite, Log4j, Scrum and JIRA

**Client: Visa, Austin, TX.**

**Role: Senior Software Engineer Feb 2022 – April 2023**

**Project Description:**

I developed applications using Agile methodologies, focusing on Angular for front-end development with HTML, CSS, and JavaScript. Utilized Angular Router for navigation and Angular services for RESTful API calls. Employed NodeJS for building RESTful services and integrating crypto and date formatting packages. Implemented microservices architecture with Spring Boot, leveraging AWS EC2 for deployment, Jenkins for CI/CD, and Docker for containerization, orchestrated with Kubernetes. Used Java 8 features like lambda expressions, Streams, and Spring frameworks including Spring Batch for batch processing and Spring MVC for API development. Tested APIs with Postman, managed dependencies with Maven, and used Git for version control, alongside RDBMS like PostgreSQL for data handling. Employed Kibana for application metrics visualization.

**Roles & Responsibilities:**

* Involved in development of **Agile** methodology and tested the application in each iteration and made changes as required.
* Worked on **Angular, JavaScript, HTML and CSS** for front end development.
* Implemented **Angular Router** to enable navigation from one view to the next as customer performs application tasks.
* Used **Angular** Factories and Services to make Restful Calls to get data in JSON Format. Used Angular Directives like ng-app, ng-model, ng-in it for initialization of Angular application data Responsible for working on consuming and producing **Microservices / Web Services.**
* Used **Angular framework** for building web-apps and is highly efficient in integratingwith **Restful services.**
* Worked with **Angular** forms, modules, DOM, events, expressions, **controllers, filters and Http Request.**
* Designed dynamic client-side **JavaScript** codes to simulate process for web application, page navigation and form validation.
* Used **NodeJS** to structure JavaScript code to build Restful webservices.
* Implemented generating the verification hash code using crypto package on **NodeJS**.
* Used date-format and moment packages in **NodeJS** to save the timestamp in database by converting it into GMT.
* Used NodeJS to structure JavaScript code to build end points.
* Thoroughly worked on many dependencies and added them to package.json in NodeJS.
* Extensively used **Java 8**features such as **lambda expressions**, **Parallel operations on collections**, **multithreading** and for effective sorting mechanisms.
* Used **Streams** and Lambda expressions available as part of **Java 8**to store and process the data.
* Involved in architectural reformation analysis using MVC Spring Batch Spring Integration/Camel and various JEE **design patterns** such as Session, Façade, DAO.
* Worked on Microservice creation using **Spring Core, Spring IOC, Spring Boot, Spring Data JPA, Spring AOP, Spring Security, Spring Transaction, Spring JDBC, Spring MVC, Spring Integration and Hibernate ORM**.
* Having good experience in converting monolith application to microservices and in Microservices implemented the concepts of **Hystrix**, **Ribbon**.
* Tested APIs using **Postman** and documented using **swagger** **UI**.
* Involved in batch processing using **SpringBatch** framework to extract data from database and load into corresponding tables.
* Implemented Microservice Architecture with Spring Boot based **RESTful** services and consumed **SOAP** based **Web Services.**
* Developed microservice in **Spring boot** and deployed in **Amazon Web Services EC2** instances.
* Designed, configured and deployed **Amazon Web Services** (AWS) for a multitude of applications utilizing the AWS stack (Including EC2, S3), focusing on high-availability, fault tolerance, and auto-scaling.
* Deploying application under **AWS EBS using Jenkins CI/CD**
* Installed and Configured the Jfrog Mission control and integrated with different environments of Artifactory instances.
* Used Jenkins to create CI/CD pipeline for Artifactory using the plugin provided by Jfrog
* Implemented **docker-maven-plugin** in maven pom to build docker images for all microservices and later used **Docker file** to build the docker images from the java jar files.
* Used **Kubernetes** for orchestration of the Docker containers.
* Used **Java Mailing or Messaging Service (JMS) API**’s for mailing detailed notifications depending upon the success and failure once the backend process is complete and also for mailing administrator of any system related problems.
* Unit testing was performed using JUnit and Version control through **Git.**
* Extensively **Used RDBMS/PostgreSQL** for data creation and data manipulation.
* Used **Kibana** dashboards to understand the metrics of the application.

**Environment:** Agile Methodology, Angular, Node.js, RESTful web services, crypto package, Java 8, Spring Framework, Core, IOC, Boot, Data JPA, AOP, Security, Transaction, JDBC, MVC, Integration, Microservices, RESTful Services, SOAP Services, AWS (Amazon Web Services), EC2, S3, EBS, Jenkins CI/CD for deployment, Jenkins, Artifactory, Docker, Kubernetes, Java Messaging Service (JMS), Postman, Swagger UI, Spring Batch, Hibernate ORM, RDBMS/PostgreSQL, Git, Kibana.

**Client: PayPal, Chicago, IL.**

**Role: Software Engineer Jan 2021 – Feb 2022**

**Project Description:**

 In this role, I applied deep technical expertise to architect and develop Java web applications, focusing on microservices with Spring Boot and RESTful APIs. Utilized Java 8 features like Lambda Expressions and Stream API for enhanced collections management. Employed frameworks such as Spring Core, IOC, MVC, Security, and Hibernate ORM for robust backend solutions. Implemented unit tests with JUnit and Mockito, managed dependencies with Maven, and integrated OAuth2.0 for authentication. Leveraged Node.js for MongoDB persistence, React for frontend development, and Docker for deploying microservices on AWS EC2. Managed AWS services including IAM, Lambda for cost-effective solutions, and S3 for data storage, utilizing Jenkins for CI/CD pipelines and Swagger for API documentation.

**Roles & Responsibilities:**

* Applied in-depth technical knowledge to solve complex problems relating to **Java** web applications architecture design and development.
* Involved in Requirements and Analysis, understood the requirements and the flow of the framework.
* Designed and developed Micro service business components using **Spring Boot** and Implemented **REST** web services based on RESTful APIs*.*
* Worked on **Lambda Expressions, Functional interfaces, Stream API's, Time API, and made Improvements on Collections** using **Java 8**
* Worked on Microservice creation using **Spring Core, Spring IOC, Spring Boot, Spring Data JPA, Spring Security, Spring Transaction, Spring JDBC, Spring MVC, Spring Integration and Hibernate ORM**.
* Implemented**test cases** for unit testing the application using **JUNIT**and testing using **MOCKITO**.
* Worked with modules like **MongoDB** and **mongoose** for database persistence using **NodeJS**.
* Used **SLF4J** to capture the logging information.
* Worked with **npm** commands and used package.json for managing dependencies and dev dependencies of NodeJS applications.
* Configured **Maven dependencies**for application building process in the pom.xml file.
* Working knowledge of **OAUTH2.0** to provide authentication and authorization to Rest services by exchanging Access tokens.
* Implemented email and SSO integration using NodeJS for backend.
* Used **Bit bucket** for committing the Code and used **GITBASH** for retrieving the project from the server.
* Involved in designing web pages using **HTML, CSS, React, JavaScript.**
* Used React-Router to turn application into **Single Page Application**
* Developed micro services using **Spring Boot** and deployed in **Docker** containers on **AWS EC2** instances.
* Worked on **AWS IAM** for security configuration for the services.
* Worked on **AWS lambda** expressions for cost effective solutions and event-based scenarios.
* Worked on **AWS S3** buckets to store the data effectively.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry.
* Utilized **Swagger** framework for design, documentation of REST APIs.
* Involved **java multithreading** to cascade multiple changes on multiple records in only one transaction and developed a batch process framework.
* Worked on **JPA, hibernate** to connect to **oracle DB** and written DAO and mapping services and used Spring transaction management.
* Worked with **Oracle, SQL Server, MySQL** Relational Databases. Experience in writing **SQL queries, PL/SQL. Joins, Stored Procedures and Database Triggers**.
* Worked with SQL database **Oracle and PostgreSQL** and worked with it to perform many different operations.
* Developed **rest-based web services** using Spring boot.
* Rewrite existing **Java** application in **Python** module to deliver certain format of data.
* Efficiently handled periodic exporting of SQL data to **Elasticsearch**.

**Environment:** Java, Lambda expressions, Stream API, Time API, and Collections improvements, Spring Framework, Core, IOC, Boot, Data JPA, Security, Transaction, JDBC, MVC, Integration, Microservices, Spring Boot, utilized RESTful APIs, JUnit and Mockito, Node.js, SLF4J, npm, OAuth 2.0, Maven, React, Docker, AWS (Amazon Web Services), Jenkins, CI/CD tool, Swagger, Multithreading, Hibernate ORM, SQL and NoSQL Databases, Oracle, SQL Server, MySQL, PostgreSQL, MongoDB; wrote SQL queries, PL/SQL, Python, Elasticsearch.

**Client: Deloitte, Mechanicsburg, PA.**

**Role: Java Developer Oct 2018 – Jan 2021**

**Project Description:**

In this role, I led requirements gathering, design, and proof of concept for applications involving benefit issuance and eligibility management. Developed front-end interfaces with HTML5, CSS3, and AJAX, incorporating JavaScript for client-side validation. Utilized MySQL for complex queries assessing program eligibility and integrated with diverse data sources like SOLQ, SAVE, Work-Number, and eDRS. Managed migration from Core Java to Spring, developed Java batch processes, and optimized performance with Oracle PL/SQL scripts. Implemented design patterns like Singleton and Business Delegate, managed deployments via Unix/Linux commands and supported change management processes using JDBC and log4j for database connectivity and logging.

**Roles & Responsibilities:**

* Responsible for gathering business and functional requirements and preparing the design and proof of concept.
* Participated actively in story point estimation and interacted with the discovery team to identify the complexity of the problem, the effort needed to solve the problem and to assess any risk/uncertainty in code.
* Involved in the Complete **Software development life cycle (SDLC)** to develop the application.
* Developed the Front-end layer using **HTML5, CSS3.0 and AJAX**. Performed client-side validations using **JavaScript**.
* Written complex MySQL queries to assess whether eligibility of the individual for the assistance program.
* Worked on Benefit Issuance, Benefit Management, Enrollment, Real Time Eligibility (RTE), Interfaces modules of Integrated eligibility project.
* Worked with multiple data sources such as SOLQ (SSA interface) for SSN verification, SAVE (Alien verification) for immigration details, Work-Number (Income verification) and eDRS for sanctions imposed on individuals.
* Worked on CYFD report to find the discrepancies between ASPEN and FACTS system of New Mexico.
* Written code to deliver reports/notices to end users and vendors in flat file format.
* Involved in migration process of Core Java application to **Spring** application.
* Worked and Involved in the discussion of Data Model design for complex logic.
* Developed multiple Java batch processes.
* Wrote SQL commands and **Stored Procedures** to retrieve data from MySQL database.
* Developed the application using **Singleton, Business Delegate, and Data Transfer Object** design patterns in the project.
* Integrated and developed UI components with business components.
* Created **Stored procedures, PL/SQL scripts** in Oracle as part of the performance improvements in the application.
* UsedCommon **Unix/Linux commands** to verify log files in the **WebSphere Servers.**
* Supported **Change Management Tasks** to deploy code in QA Cert Testing and then into Production.
* Worked on **JDBC template** to connect to Oracle database.
* Used Unix commands to connect to servers and using PUTTY run the batches.
* Used **log4j** for logging.

**Environment:** HTML5, CSS3, AJAXJavaScript, MySQL, Core Java, Spring Framework, Oracle, Unix/Linux, WebSphere, JDBC, Putty, Log4j, Story Point Estimation, Data Model Design, Flat File Format, Git, JIRA, Unix Commands, Spring Batch.

**Client: Pacebright Technologies, India.**

**Software Engineer May 2017 – April 2018**

**Project Description:**

In this project, I participated in all SDLC phases, designing with Rational Rose, implementing N-tier architecture, and developing UI with HTML, JSP, JSF 2.0, and CSS. Backend development involved Servlets for server-side processing, Hibernate for persistence, and JAX-WS 2.0 for web services. Used Spring for dependency injection and AOP, implemented design patterns like Singleton and DAO, performed unit testing with JUnit, and managed versions with Tortoise SVN. Deployment and issue tracking were done on JBOSS server and JIRA respectively, ensuring comprehensive project management and development lifecycle adherence.

**Roles & Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as **design, development and testing.**
* Participated in generating the **use case diagrams, Activity diagrams, Class diagrams** and **Sequence Diagrams** in the design phase using **Rational Ross.**
* Trained in **N- tier architecture** of Enterprise application including **Business Tier, Persistence Tier and Presentation Tier.**
* Developed UI using **HTML. JSP, JSF 2.0** and **CSS**.
* Developed **Servlets** for processing the data on the server. Used **JavaScript** for client-side validation and **AJAX** for asynchronous calls.
* Performed Unit Testing and developed Unit Test Classes using **Junit**.
* Design Patterns like **Singleton, Factory, Session Façade and Data Transfer Object** were used in development.
* Used **Spring AOP** and **IOC** for resolving the bean dependencies.
* Developed the persistence layer using **Hibernate** Framework by configuring the 1:1/1: M /M:N mappings in the hibernate mapping files.
* Used **JAX-WS** 2.0 for building of Web Services. Tested the web service using **SOAP UI**.
* Actively involved in writing **SQL** using **SQL query builder**.
* Used **DAO** pattern to retrieve the data from database.
* Used **SAX** and **DOM** **XML** parsers in the application.
* Developed the build scripts using **ANT**.
* Deployed and validated the application in **JBOSS** server.
* Used **JIRA** for tracking bugs and raising tickets.
* Used **Tortoise** **SVN** to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.

**Environment**: J2EE 1.4, Hibernate 2.0, Spring, XML, SVN, JSP, JUnit, JSF, ANT, UML, JAX-WS 2.0, Log4J, DOM, SAX, Oracle 10g, JavaScript, AJAX, JIRA, Tortoise SVN,JBOSS.