**Karthik**

**Sr. Java Full Stack Developer**

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**PROFESSIONAL SUMMARY**

* Dedicated Software Engineer with 8+ years of experience in developing robust client applications using microservices architecture, Object Oriented development with RESTful services and cloud platform using CICD practices in scaled agile development framework.
* Experience in using Software Development methodologies like **Agile/Scrum and Waterfall.**
* Strong working experience in Design, Development of several Web-based Applications using open-source framework **such as Spring, Spring Boot, Spring Cloud, Spring JPA**
* Experience in developing applications using **Spring MVC** and establishing database communication using **Hibernate, Spring JPA and Spring JDBC**.
* Experience in developing application components using **Rabbit MQ, Kafka and** **JMS** for asynchronous communication.
* Experience in Cloud service platforms like **Amazon Web Services and Pivotal Cloud Foundry**.
* Expertise in application and web servers such as **Apache Tomcat, IBM WebSphere and JBOSS**
* Strong working experience with Integrated Development Environment (IDEs) like **Eclipse, My Eclipse, IntelliJ Idea,**
* Proficient in developing GUI using web technologies **like CSS, HTML, Java Script, Ajax, JQuery, JSON, Bootstrap, Angular JS, Angular 2, Angular 4 and REACT JS.**
* Experiences with **Representational State Transfer (REST), Simple Object Access Protocol (SOAP) Web Services to expose the business logic**.
* Proficient in XML technologies like **XML, XSL, SOAP, WSDL, DTD, XSLT, JAXB and JAXP.**
* Experience Developing application using **build tools like Groovy and Maven.**
* Experience working with Relational Database Management Systems (RDBMS) like **MySQL, SQL, Oracle.**
* Experience working with **NOSQL databases like Couchbase DB.**
* Experience working with TDD using Junit and BDD using Cucumber.
* Worked with tracking tools like **JIRA, Rally and TFS.**
* Good working experience with CICD Tools **Git, Maven, Gradle and Jenkins.**
* Experience in **Core Java, Multithreading** and **Design Patterns.**
* Worked under AWS management tools such as (**EC2, EBS, ASG, RDS**) Developed AWS Cloud Formation templates to create **EC2 instances, ELB, Security Groups**.
* Developed Micro Services using **Spring Boot and deployed using CICD tools on cloud platforms such as Pivotal Cloud Foundry**.
* Strong analytical and problem solving, interpersonal, communication and presentation skills.

**Technical Skills:**

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| Programming Languages | JAVA |
| Design Methodologies | Agile, Waterfall |
| Automation Tools | Cucumber, Junit, Mockito, Power Mockito |
| Issue/Bug Tracking/Test management Tools | Quality Centre, Jira, ALM |
| Java/J2EE Technologies | Spring, Spring Boot, Spring JPA, Spring Cloud, Spring MVC, Spring AOP, Spring RESTful Services, Servlets, JDBC, JSP, Hibernate, JMS, EJB and SOAP Services |
| Web Technologies | JavaScript, HTML, XML, CSS, Angular JS, Angular 2 and JQuery |
| Web/Application Servers | IBM Web Sphere, Apache Tomcat and Web Logic, Openshift |
| Databases | MySQL, Oracle, DB2, MongoDB, Couchbase DB. |
| IDE | Eclipse, Spring Tool Suite (STS), IntelliJ |
| Modeling/CASE Tools | MS Visual Professional and Luci Charts |
| CICD Tools | Jenkins, GIT, Maven, Gradle |
| Other Tools | Putty, WinSCP, Load Runner, CVS, SVN |
| Cloud Technologies | Pivotal Cloud Foundry and AWS |
| QA Automation Tools | Cucumber with BDD, Junit with TDD |

**Educational Details:**

* Southern Arkansas University, Magnolia, AR Jan 2016-Dec 2017

Master’s in computer and information Sciences GPA: 3.6/4

* Jawaharlal Nehru technological university, Hyderabad, India Aug 2011 - May 2015

Bachelor of technology in Computer Science GPA:3.5/4

**Professional Experience:**

**Java Full Stack Developer**

**United Parcel Services, Alpharetta, GA**

**Period: Oct 2018 to Present**

**Responsibilities:**

* Involved in Daily Scrum (Agile) meetings, Sprint planning, grooming to gather & understand requirements and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Developed Micro services using Spring and spring boot.
* Using Test Driven Development (TDD), Unit Tests (Junit, Mockito), JIRA issue navigator, GIT as a part of everyday tasks.
* Developed the unit test cases in Test Driven Development (TDD) and mock testing using JUNIT and Mockito frameworks.
* Actively involved in coding using Java 1.8, spring 4.x to develop features from end to end.
* Design and implement an application using Spring MVC, Spring IOC, spring transactions, Dependency Injection Spring Annotations, Spring AOP, Spring Container-managed transactions, Hibernate.
* Used Spring Security for authentication and authorization of users, Spring JDBC for easy database operations using JDBC template, writing row mappers and Spring Boot easy bootstrap applications from scratch.
* Used spring's test framework to create integration tests for various spring controllers to test our API using unit tests.
* Implemented Restful Web services to retrieve data from client side and made REST API calls from Angular JS, parsed the data to project to client and handled the security and Authorization using Spring Security or OAuth.
* Maintain high-quality of RESTful services and implemented REST web Services using Spring MVC and JAX-RS.
* Led the migration project of a Tomcat application to OpenShift platform. Collaborated with cross-functional teams to plan and execute the migration process efficiently.
* Implemented best practices for containerization and deployment on OpenShift. Ensured seamless integration of the application with OpenShift's orchestration and scaling capabilities.
* Implemented AJAX calls and handled request and responses for various modules.
* Used Jenkins with maven for Build and Deployment.
* Used Maven to build and deploy application onto WebSphere Application Server to deploy code onto server.
* Implemented CI/CD using technologies such Git and Jenkins are used for blue/green deployment of application API’s.
* Experience in Jenkins for building and testing Software projects, created performance test data using JMeter
* Involved in the development of presentation layer and GUI responsive development using Angular, React JS, HTML5, CSS/CSS3, Bootstrap, JQuery
* Responsible for setting up Angular 4 framework for UI development. Participated in front end development using Angular 4, JavaScript, HTML5, CSS 3.0, JSON and Bootstrap.
* Spearheaded the migration initiative of SQL database to Couchbase, enhancing scalability and performance.
* Developed a comprehensive migration strategy, including data mapping, schema redesign, and migration tool selection.
* Collaborated closely with database administrators and developers to ensure smooth transition and minimal downtime. Implemented data transformation processes to optimize data structure for Couchbase's NoSQL architecture.
* Conducted extensive testing and performance tuning to ensure data integrity and optimal query performance.
* Automation of manual tasks using Shell scripting. Bash shell-scripts to automate routine activities.
* Orchestrated the integration of Grafana with Google Logging, enabling real-time monitoring and visualization of cloud infrastructure.
* Designed and implemented dashboards in Grafana to visualize key metrics and logs collected from Google Logging.
* Collaborated with DevOps and engineering teams to define monitoring requirements and customize Grafana dashboards accordingly. Configured data sources and queries to pull relevant logs and metrics from Google Logging into Grafana.
* Developed alerting mechanisms within Grafana to proactively identify and mitigate issues based on predefined thresholds.
* Collaborated with cross-functional teams to define monitoring requirements and customize Dynatrace dashboards accordingly.
* Utilized Dynatrace's AI-driven capabilities to automatically discover and map application dependencies, enabling proactive monitoring. Configured custom alerts and thresholds in Dynatrace to promptly identify and address performance issues and anomalies.
* Involved in deploying applications utilizing Pivotal Cloud Foundry focusing on high-availability, fault tolerance, and auto-scaling.

Environment: Java 8, OpenShift, Spring Boot, Spring Cloud, Spring JPA, Gradle, GIT, spring, JIRA, Jetty, IntelliJ, Groovy, Junit, Mockito, SOAP, REST API, Jenkins, SQL, Tomcat, Couchbase, Grafana, Google Logging, Dynatrace, Kafka.

**Java Full Stack Developer**

**UBS, New York, NY**

**Period: Jan 2017 to Sep 2018**

**Responsibilities:**

* Designed, Developed and analysed the front-end and back-end using JSP, Servlets and **spring 3.0.**
* Integrated **spring (Dependency Injection)** among different layers of an application.
* Worked with Agile methodology.
* Used spring framework for dependency injection, transaction management.
* **Spring Controllers** were used with Angular JS to route the control to desired Java services
* Wrote and converted HQLs for services and testing.
* Used **Hibernate** as the ORM tool to connect with **Oracle** database.
* Application used **Web Services** to communicate with external applications and vendors
* Implemented Business Logic using **POJO’s** and used **WebSphere** to deploy the applications
* Implemented various Java design patterns like Front Controller, Singleton, Façade, Data Access objects, and Data Access Object, Factory Pattern, etc.
* Implemented **Java Persistence API (JPA)** through **Hibernate 3.0.**
* Used **JSON** strings to transfer java object data to Angular JS and vice versa
* **Micro services** Architecture and proficient in developing **Micro services Spring Boot**.
* Developed **Micro services** with Spring Eureka to retrieve API routes for the entire cluster. Using this strategy each Micro service in a cluster can be load balanced and exposed through one API gateway.
* Strong experience in Spring modules -Spring **MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zuul**.
* Created many **REST (GET/POST/PUT/DELETE)** service endpoints, both for POST and GET operations using groovy language and grails platform.
* Designed and developed the **REST** based **Micro services** using the **Spring Boot**, **Spring Data** with JPA and used Swagger to interact with API end points of the micro services.
* Developing Web Application in Groovy/Grails with Mongo DB as a data store. Using the IntelliJ Idea 15.0.4 IDE with the latest Grails 3.1.1 SDK, Java 8.
* Development of stateless GUI web client using **Grails, GSP, jQuery, Twitter Bootstrap**, **PostgreSQL** based on client/server architecture.
* Utilize Camel to integrate **Microservices** with other **Microservices** and **RabbitMQ** messaging exchanges.
* Expertise in **ElasticSearch, Log stash, Cygwin, Putty, Kibana**
* Involved in the application development using Java **platform. Model View Control (MVC) structure implementation**.
* Mapping of **ORM** objects to tables using the Hibernate as the persistence framework.
* Involved in different service classes, used across the framework.
* Implementation of **WebServices** using **Axis** for the integration of different systems
* Used **XML, SOAP and WSDL with DOM** parser in the development of the Web Services component to transform and transfer the data between the applications.
* Usage of **SOAP/WSDL** in the exposure of various capabilities as the Web Services.
* Testing of Web Services using the **SOAP UI, by sending the SOAP i/p request**.
* Used **HTML, CSS, Spring MVC, JSP, and JQuery, JavaScript, React.js, Angular.js, Node.js, Bootstrap in the development and the designing the UI.**
* Gradient effects through the development of the **CSS** style sheets. Developed navigation, icons and layouts.
* Developed client-side user interface and server-side software components deployed entirely in Compute Cloud of **Amazon web Services (AWS)**.
* Hands-on experience in developing **AWS** cloud formation templates and setting up **Auto scaling for EC2** instances and involved in the automated provisioning of AWS cloud environment using **Jenkins**

Environment: Java SE 8, JDK 1.8, Eclipse, spring, Hibernate, Oracle, SQL Developer, Maven 2/3, JBoss, WebSphere, AGILE/SCRUM Methodology, Angular JS, Web Storm, HTML/CSS, XML, NodeJS, Unix, JAX-RS, JAX-WS.

**Client: TALENT PLUS SYSTEMS INDIA PRIVATE LIMITED, India**

**Dec 2014 – Dec 2015**

**Role: Java Developer**

* Participated in the discussion with the business experts to understand the Business requirements and translate them into technical requirements towards development.
* Maintained CSS and HTML, JavaScript, JSON, JSF, AngularJS, Bootstrap for designing Web Pages.
* Developed user interface using Bootstrap UI, AngularJS.
* Created usability prototypes for the UI screens using Angular JS.
* Worked in using AngularJS directives, services, controllers and filters.
* Used Angular JS JavaScript framework to bind data to HTML using expressions.
* Developed Customized Spring Multi Action controllers for handling similar operations and configured spring and Spring JDBC frameworks to develop full-fledged MVC and DB interaction application.
* Designed and documented REST/HTTP APIs, including JSON data formats.
* Integrated spring with Hibernate and used spring IOC concept.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Used Spring DAO Module to deal with Database.
* Worked on enterprise service bus using Hibernate, and Spring to tie back-end Business logic/systems with web properties via Restful API.  Developed the middle tier using Java Servlets.
* Used Maven project structure and added dependencies, plugins to pom.xml.
* Developed a stored procedure for achieving data validation. Developed configuration files corresponding to beans mapped and backend database tables.
* Deployed the application on BEAWebLogic11g Server. Used SQL Server 2010 as data base for creating stored procedures.
* Developed coding, maintaining, and administering Servlets, and JSP components to be deployed on a WebLogic Application server and ApacheTomcat6.0 application servers.
* Developed, and debugged the servlets with WebSphere Application server.
* Used Mockito for Unit testing.
* Also designed and prepared Unit test case using JUnit and Log4j and removed the maximum Bugs before passing on the application.

Environment: Java, J2EE, CSS, HTML, Java script, JSON, JSF, Angular JS, Bootstrap, XML, WSDL, SOAP, JMS, Spring IOC, MVC, Node JS, Spring DAO, Struts, Hibernate, REST and SOAP API’s, SQL, PL/SQL, MongoDB, JUnit, Log4j, Web sphere, Apache Tomcat, Altova WSDL Editor, WebLogic Application server, Maven