**Aravind Reddy Keshireddy**

**Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* **Over 5 years** of IT experience involving all phases of the Software Development Life Cycle (SDLC) from requirements gathering, analysis, conceptual design, detail design, development, system testing, and performance testing using **React**, Angular, Java, and J2EE technologies.
* Experience in working in environments using **Agile** (SCRUM) and good experience working in small to large agile squads implementing Agile **SAFe** methodologies.
* Experience in using the **Atlassian** suite comprising **JIRA for stories and requirements management and also used for bug tracking, and Confluence** for project documentation.
* Expert in designing and developing responsive user interfaces using **React JS, NODE JS, Angular, HTML5**, **CSS3**, **JavaScript**, **Bootstrap, Custom tags, JSON, and XML**.
* Good experience building UI pages **React JS and Angular 8-14** and developed Single Page Applications (**SPAs**)
* Good experience building Spring boot based RESTful microservices using Java and Spring.
* Hands-on programming skills in **Multithreading, Collections, and Exception handling.**
* Experience in developing web-based enterprise applications using **Java, J2EE, JDBC, JPA, Hibernate, Web Services (SOAP and REST), MVC Framework (Struts, Spring MVC),** and **SQL, MongoDB**.
* Good expertise in working with various spring modules: **Spring IOC**, **Spring MVC**, **Spring JPA, Spring Boot, Transaction Management,** **JPA and** **Spring JDBC**.
* Experience with **Java 8** features such as **lambda expressions, Parallel operations** on collections and for effective sorting mechanisms, and new Date **Time API**.
* Implemented **Spring boot 2.0** to simplify spring dependencies and avoid version collisions.
* Good Knowledge on **Kafka** for streaming real – time feeds from external rest applications to Kafka topics
* Experiencing in integrating Apache Kafka with and created Kafka pipelines for real time processing.
* Good experience on working with **Amazon** **Web Services**like **EC2, S3,** **Lambda,** Amazon **RDS,** Amazon Application Load Balancer, Amazon **SQS,** AWS Identity and access management (IAM), AWS Cloud Watch, and Amazon Cloud Front.
* Worked on **AWS** High Availability and deploying backup/restore infrastructure.
* Experience in Integration of Amazon Web Services **AWS**with other applications infrastructure.
* Experience in multiple RDBMS using **Oracle, SQL Server**, PostGres and MySQL **and worked with noSQL databases like Mongo DB, Dynamo DB**.
* Strong JDBC implementation and DB query skills using **Oracle and PostGres** Database Servers, and hands-on experience with **SQL and PL/SQL.**
* Experience in **Test Driven Development (TDD)** using unit testing frameworks like **Junit, Karma, and Mocha test** runners
* Expertise in API testing tools like **Postm an, Soap UI, and Rest client.**
* Hands-on experience in build tools like **ANT**, **Maven, and Gradle.**
* Implemented **log4j** for logging and debug the applications.
* Experience in using the CI/CD Continuous Integration tools like **Jenkin and Terraform.**
* Experience in using version control tools like **GIT** and **Bitbucket.**
* Highly experienced with Java-compliant **IDEs** like Spring Tool Suite, **Eclipse**, **IntelliJ**, and VS code.
* Involved in various project reviews like Code review, Peer Review, technical specification review, and drafted and technical design using confluence pages.
* Excellent written and verbal communication skills, Analytical, Problem-Solving skills, strict attention to detail, and ability to work independently, work within a team environment.

**TECHNICAL SKILLS**

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| **Languages** | **Core Java, Java 8, Python, JavaScript, C, React JS, Angular 8 -14, Node (Express), XML.** |
| **Client Scripting** | **Angular JS, TypeScript, JavaScript, CSS, HTML, NodeJS.** |
| **Java Frameworks** | **Struts, Spring MVC.** |
| **Databases** | **AWS RDS, Oracle, MySQL, PostgreSQL, MongoDB** |
| **Version Control** | **GitHub, Bit Bucket** |
| **IDEs** | **Eclipse, IntelliJ, Spring tool suite, VS Code.** |
| **Build Tools** | **ANT, Maven, Gradle** |
| **Web Servers** | **Tomcat. Web Logic 8.1/9.1/10.3.** |
| **Defect Tracking** | **JIRA.** |
| **Methodologies** | **Agile Scrum, Waterfall.** |
| **AWS Skills** | **EC2, S3, RDS, ELB, CLI, SNS, RDS, Route53, Auto scaling, Elastic Beanstalk, ECS Fargate, Cloud Front, VPC, Cloud watch.** |
| **Testing tools** | **JUnit, JMeter, Mockito, Karma, Jasmine, SoapUI** |
| **Microservices** | **REST/ JSON, Swagger, Spring boot** |

**CERTIFICATIONS**

* Agile Software Development
* MuleSoft Certified Developer Level-1.

**PROFESSIONAL EXPERIENCE**

**Client: Kaiser Permanente Pleasanton, CA April 2023 – Till now**

**Employer: InteronIT Solutions**

**Role:** Java/NodeJs Developer

**Working on Digital Notification Platform module in which dispatches the notifications to the consumers via Email, SMS, Push, and so on using nodejs applications and updated the responses based on the callbacks.**

**Responsibilities:**

* Used **Angular** and **typescript** for the frontend to develop web pages.
* Consumed **RESTful** web services using Angular HTTP services, Observables, and promise objects to make GET, POST, PUT, and DELETE requests.
* Used **Nodejs** to structure javascript code to build endpoints and used **axios**, **http2** to make the API calls.
* Worked on **Node modules** and created a node common library for database and redis connection.
* Used **node** asynchronous calls and return promises.
* Callback functions are also used in the node application to resolve the success status and reject the failure response.
* Retrived message templates from **Redis Cache** in which they are stored in Hashsets.
* Async flows are created and Azure **Eventhub** is being used to consume the events for processing.
* Worked on **Azure** cosmos Db and blob storage to retrieve the attachments and used Azure **cognitive search** index to search for attachment files.
* Worked on the **Sendgrid API** documentations to make the API calls. Used **Azure CLI** to check the application logs.
* Delivered **node** projects to deploy on **Jenkins** and have experience in managing the Docker containers in **Kubernetes**.
* Karate Framework was also included to run the automatic test suite scripts at the time of deployment.
* **Github** is used as a Source Control Management tool.
* Worked on user manual and Technical documentation using **confluence**.

**Environment: Node 18, Jenkins, Redis Cache, Azure, Cosmos DB, Cognitive Search, Blob Storage, Angular, Sendgrid, FCM, APNS, Twillio, JEST, Postman, RESTful web services, JIRA, Github.**

**Client: Anthem Norfolk, VA Mar 2022 – Mar 2023**

**Employer: Rapido Technologies**

**Role:** Java Developer

**As a developer working part of the membership plan and coverage information, supporting the team with the development of various microservices and UI pages and my experience involved as follows.**

**Responsibilities:**

* Worked on UI development as well as backend service development, developed several UI pages using Angular and multiple microservices using java and Spring Boot, deployed them on AWS.
* Used **Kafka** State store for processing state full streams and events.
* Processing the events in real time and enriched the events through **Kafka**.
* Used various design patterns like **MVC**, **Factory**, **Template**, **Delegate** and **Singleton** design patterns.
* Used **Spring** Framework including **Spring Core/IOC**, **Spring AOP**, **Spring ORM** and **Spring Batch** and implemented the authentication, authorization, and access-control features by making use of **Spring Security.**
* Extensively worked on **Spring REST** for creating **REST API’s** services with **Spring Boot** to modularize code.
* Extensively worked on **Spring Data** to access data from **MYSQL** database and implemented Swagger for dynamic **REST API** documentation.
* Developed **Microservices** to communicate using synchronous protocols **HTTP** and **REST** for implementing **SOA**. Workedwith**Docker**to deploy**Microservices** in modern containers to increase Isolation.
* Worked as part of the Microservices team to develop and deliver **Maven** projects to deploy on **Jenkins** and have experience in managing the Docker containers in **Kubernetes**.
* Implemented **AWS** solutions using **EC2 instances, S3, Application Load Balancer**, and **Auto scaling groups**. Using Amazon Web Services (**AWS**) like **lambda functions, S3**, and **cloud watch** for code deployment. Utilized **AWS Lambda** platform to upload data into **AWS S3** buckets and to trigger other **Lambda** functions.
* Involved in the design and development phases of Scrum **Agile** Software Development.
* Responsible for creating detailed design and technical documents based on business requirements.
* Used the Dependency Injection feature of Spring framework and was involved in writing **Documentation**.
* Consumed **RESTful** web services using Angular HTTP services, Observables, and promise objects to make GET, POST, PUT, and DELETE requests.
* Created multiple DB Scripts for new features and tested the application performance using **JMeter**. Used SAFE Agile/ Scrum Test Driven (**TDD**) methodology for Software Development.

**Environment: Node 18, JAVA 8, Spring MVC, Spring Boot, AWS, EC2 instances, S3, EBS**, **Elastic Load Balancer, Postgres SQL DB, Jenkins, Selenium, Maven, Mockito, JUnit, Postman, RESTful web services, Spring Security, JIRA, Bitbucket.**

**Client: Bank of America Charlotte, NC**  **Sep 2021 – Feb 2022**

**Employer: Rapido Technologies**

**As full stack engineers for Bank of America card division, developed various services to provide member card benefits and developed various backend services using Spring Boot and front-end application using React.**

**Role:** Java Developer

**Responsibilities:**

* Part of Bank of America credit card management Involved End to End Design, Development and Testing of Streamlets module. Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing.
* Followed **Agile** methodology in the Scrum model.
* Worked on **React JS** and Node JS to structure **JavaScript** code in an MVC model **(Model-View-Controller).**
* Used React JS, D3JS, **HTML 5**, **CSS 4** and AJAX to build a responsive application.
* Extensively used **Java 8** features like **lambda** expressions for communicating between business layer & database, **stream API** for Bulk Data Operations on Collections using both streams and parallel streams.
* Implementing or exposing the **Microservices** architecture with Spring Boot based Microservices interacting through a combination of **RESTful** and Apache Kafka message brokers.
* Implemented fail safe and circuit breaker patterns in Spring Boot **Microservice** applications using Hystrix, configured **Swagger-UI** to registered **Microservice** with Eureka server and monitored service health check from Spring Boot admin console and Spring Ribbon for load balancing.
* Implemented **Spring ORM** with Hibernate taking advantage of features like Annotation metadata, Auto wiring, and Collections to implement DAO layer with Hibernate Session Factory, HQLSQL.
* Experience with DevOps methodologies, implementing **CI/CD** Pipelines using tool sets like GIT, **Jenkins**.
* Designed, configured, and deployed **Amazon Web Services** for large number of applications utilizing the AWS API gateway and **ELK** (Elastic search, Kibana, Logstash) stack focusing on high availability and fault tolerance that is produced by Apache Spark cluster.
* Integrated services like **GitHub**, AWS Code Pipeline, Jenkins, and **AWS Elastic Beanstalk** to create a deployment pipeline.
* Monitoring the Kafka Platform.
* Worked with several testing frameworks such as **JUnit**, Easy Mock, **Mockito** and Power Mock.

**Environment: J2EE, React JS, Spring, Eclipse, Hibernate, Spring MVC, AWS, GIT, Junit, Log4j, Maven, Mockito, HTML, CSS, Agile, JavaScript, Lambda Expressions, Kafka, Microservices, MongoDB.**

**Company: Capgemini Hyderabad, India Feb 2018 – July 2021**

**Role:** Java Full Stack Developer

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Requirement Analysis, Design, Implementation, Testing and Maintenance.
* Deliver new and complex high-quality solutions to clients in response to varying business requirements.
* Designed and implemented **UI** layer using **HTML, CSS, JQuery**.
* Used **Java**/**JEE** Design patterns like MVC, Singleton, **Data** Transfer Object (DTO), DAO.
* Designed application modules, base classes and utility classes using **core** **java**.
* Designed and implemented customized exception handling to handle the **exceptions** in the application.
* Developed integration services using **SOA**, **ESB**, Web Services, **SOAP**, and WSDL.
* Spring and Hibernate were used to persist the **data** in the **database**.
* Developed **Spring** **Controller** classes, and Command classes and configured dispatcher-servlet.xml for Spring (MVC).
* Developed **Hibernate** persistence **layer** modules using EJB Java Persistence API (JPA) annotations and Entity Manager.
* **SOAP** with Web Services used for getting voice print file location.
* Involved in the deployment of Web-**Service** Endpoints using **Apache** CXF.
* Used Spring IOC framework to integrate with **Hibernate**.
* **Maven** was used as a build tool to facilitate the required dependencies.
* Integrated different applications and passed messages using **JMS** and **MQ**-**Series**.
* Implemented Web services to send order details to downstream systems using **SOAP** and **WSDL**.
* Implemented version controlling using **GIT**.
* Implemented **log4j** for logging purposes and debug the application.
* Prepared **Junit** test cases and executed the test cases using **Junit** in eclipse.
* Involved in **bug** **fixing** during the System testing, Joint System testing, and User acceptance testing.

**Environment: JDK, J2EE, Spring, Eclipse, Hibernate, Spring MVC, Git, Github, SOAP(JAX-WS) Web Services, AWS, AJAX, GIT, Junit, Log4j, WebLogic Server, Maven, Mockito.**

**EDUCATION:**

**Bachelor of Technology (Electronics and Communications Engineering) from VNRVJIET Hyderabad.**

**Masters (Computer Science) from University of Missouri-Kansas City - 2022.**