**Sreeleesha Kamepalli**

**Lead Java Full Stack Developer**

**Northville, Michigan**

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Available to work immediately and willing to relocate across the US on day 1. Only C2C roles

**PROFESSIONAL SUMMARY:**

* An aggregate of 10+ years of IT experience in **Analysis, Design, Development, Implementation** and **Testing** of **Enterprise Applications** in the Client/Server environment using **Java/J2EE, Java EE,** **Java SE** in **Client-Server**, **3-tier**, and **n-tier** applications.
* Hands-on experience in implementing different frameworks like **Spring** **Boot, Spring** **Core**, **Spring** **MVC**, **Spring** **Data** (**Spring** **JDBC**, **Spring** **ORM, JPA**), **Spring security,** **Microservices**, **Spring Cloud,** **Spring Batch**, **JSF**, and **Hibernate**.
* Expertise in implementation of **Object** **Relational** **Mapping** (**ORM**) f**rameworks** like **Hibernate**, **Spring** **data JPA** in developing applications.
* In-depth knowledge of **Kafka Connect**, **Kafka Streams**, **Schema Registry**, **Kafka architecture**, **configuration**, **message queues** and best practices.
* Experience with **Amazon** **Web** **Services** (**AWS**) services like **EC2**, **VPC**, **Cloud** **Watch**, **Cloud** **Formation**, **IAM**, **S3**, **RDS**, **Elastic** **ache**, **SNS**, **SQS**, and **SWF**.
* Experience in working on **Lambda Expressons**, Functional Interfaces, **Stream API’s**, Time PI’s, Improvements on collections, concurrency and IO improvements using **Java 8, Java 21** and **core java** features.
* Hands-on experience in **Java 11** features like **var** keyword, updated **HTTP client**, **Epsilon garbage collector**.
* Solid understanding of **Design patterns** like **Singleton, Builder, Factory, Abstarcat Factory, Adapter, Observer, Decorator, Strategy, Command.**
* Experienced Model View Controller framework such as **Angular** **framework** for creating **Single** **Page** **Application** (**SPA**).
* Experience in working with **React** features like **components**, **Router**, **plus** **Redux**, **Animations**, **Forms**, **Events**, **Keys**, and **Flux architecture**.
* Experience in installing **Docker** using **Docker** **tool** **box**. Environment provisioning solutions using **Docker**.
* Experience in deploying **Microsoft** **Azure** for applications utilizing the **Azure services** Including **Blobs**, **Resource** **Groups**, **Azure** **SQL**, **Compute**, **Web** **&** **Mobile**, **Cloud** **Services**, and **ARM**, focusing on high - availability, fault tolerance, and auto-scaling.
* Hands-on experience in **Auto Configuration**, **opinionated defaults**, **Embeded web servers**, **Spring starters** features of spring.
* Sound knowledge of **CrudRepository**, **PagingAndSortingRepository**, **JpaRepository**, **JpaRepositoryFactoryBean**, **QuerydslPredicateExecutor** which are imporatnt interfaces and classes of spring data JPA.
* Proficient in dependency injection and different injections such as constructor injection, setter injection, interface injection, methood injection and look up method injection.
* Excellent in **IOC** patterns, all types of bean scopes in spring and spring bean lifecycle associated with callbacks and methods.
* Expertise in model-view architecture of **spring MVC** with experience on configuring **controllers** and **servlets** for rendering of the **HTML** views.
* Experience in working with microservices patterns ecspecially **SAGA** pattern, **Circuit breaker** pattern, **API gateway** pattern, **database per service** pattern.
* Implemented Spring secuitry using different authentication techniques including **OAuth 2.0, JWT**.
* Experience in working with enterprise java **beans** to develop modular, reusable and transactional components within a **Java EE**.
* Having a good understanding of **collection hierarchy** for storing, organizing and manipulating data, objects or group of objects.
* Experience in working with **Core Java** features including autoboxing, autounboxing using **wrapper classes**, method overloading and over riding, constructor overloading and over riding, method and variable hiding, **multi threading**.
* Hands-on experience in working with **collectors** and different types of **annotations**, **OOPS concepts** namely **inheritance**, **polymorphism, data abstraction**,**Encapsulation** all types of interfaces.
* Experience in working with EAI patterns, data structures, API building, load balancing, troubleshoot, Experience in both types of intialization of singleton class and event handling in **GUI** using observer pattern, **java**.io classes like **BufferedReader** and **BufferedWriter** using **decorator** pattern.
* Experience with **factory** pattern using. **java util** package, **command** pattern using **java.lang** package, **strategy** pattern for **sorting algorithms**.
* Experience with **JMS** in creating, sending and consuming messages in asynchronous manner in **Java EE**.
* Hands on developing **Angular** features like **Routing**, **Directives**, **Services**, **Components**, **Pipes**, and **Filters**.
* Experience in using **Angular** forms like **Template** **Driven** and **Reactive** **forms** for both client side and server-side validations.
* Expertise in working with **hooks**, **data binding**, **routing** mechanism and **HTTP** client request handling of **React**.
* Proficient in life cycle methods of **React**, use of **babel**, **Webpack**, **refs**, **props**, **states** of React.
* Experienced with **Jenkins**, and **Hudson** to **CI**, **compile**, **build**, and **deploy** **applications**.
* Expertise in implementing message brokers like **RabbitMQ** and **ActiveMQ**.
* Hands-on experience in **AWS lambda**, **step function**, **AMQ**, **dynamoDB**, **API gateway**, **ECS**, **EKS**, **RDS**, **key management services**, **AWS cloudbuild**, **AWS codedeploy**, **AWS codepipeline**.
* Experience managing **Azure Data Lakes (ADLS)** and **Data** **Lake** **Analytics** and an understanding of how to **integrate** with other **Azure** **Services**.
* Experience in using **Hibernate** **Query** **Language** (**HQL**), **HSQL** **Named Queries**, **Criteria**, and **Projections**.
* Experience in implementing **Polymorphic** **DB Tables**, **Polymorphic** **Hibernate** **Entities**, **Polymorphic** **REST** **resources** and **Polymorphic** **JPA** **repositories**.
* Expertise in **front-end development** using **HTML**, **CSS**, **JavaScript(AngularJS, ReactJS and Vue.js)**, **Nodejs**, **jQuery**, **AJAX**, **JSON, XML,** and **Bootstrap**.
* Expertise in **REST API building** and testing them using **Robot** framework.
* Strong knowledge in **SOAP**, and **RESTful** for exchanging structured information in the implementation of **web** **services**.
* Experience in working with **NoSQL** databases like **MongoDB**, **Cassandra**, **DynamoDB, Redis**.
* Strong experience with complex **PL**/**SQL** **Triggers**, **Stored** **Procedures**, **Packages** and Views in **DB’s** **Oracle**, **MS** **SQL** **Server**, and **MySQL**.
* Hands-on experience in working with **OLTP** supportive databases like **MySQL, PostgreSQL**.
* Experience in implementing **SOA** based solutions with the help of Oracle **ESB**, Oracle **SOA suite**,
* Experience in testing with **JUnit** **Framework** using **Mockito** and **Easy** **Mock**, **Load** **Runner**, and **JMeter**
* Experience with **JUnit** and **TestNG** in developing test cases and determining application functionality.
* Experience in working in different **IDEs** like **IntelliJ** **IDEA**, **RAD** (**Rational Application Developer**), **RSA** (**Rational** **Software** **Architect**), **Eclipse**, **IntelliJ**, and **NetBeans**.
* Experience in **configuring** and deploying the applications into **Web** and **Application Servers** such as **Tomcat**, **WebSphere**, **Web** **Logic** and **Jboss** **Servers.**
* Hands on experience in configuring and using **Maven, Gradle** and **Ant** **build** **tools**.
* Proficient in all phases of **SDLC** (analysis, design, development, testing and deployment) and highly competent in gathering user requirements.
* Experience with **SDLC**, **STLC** - methodologies like **Agile**, **TDD**, **Scrum**, and **Waterfall**.
* Decent experience in using code repository tools **Git**, **BitBucket** and **GitHub**.
* Experience working with **JIRA** as **Defect management** for bug, **issue tracking** of application.
* Efficient team member with excellent work/ time management skills excellent leadership, communication and interpersonal skills, ability to work under strict deadlines.

**TECHNICAL SKILLS:**

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| --- | --- |
| Programming Languages | Java 11/ 8, J2EE |
| Java | Java, J2EE, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI and JPA |
| Java Frameworks | Struts, Hibernate, Spring MVC, Spring Boot, Spring Batch, Spring frame, Spring Security, Spring Data, Spring Cloud, Spring Security |
| Web Technologies | JSP, Servlets, HTML, CSS, XML, Angular, Angular.js, TypeScript, React.js , Redux |
| Cloud Computing | MS Azure, Amazon Web Services (AWS), GCP. |
| AWS | S3, EBS, VPC, ELB, EC2, AMI, RDS, EMR, LAMBDA, Cloud Front, Cloud Formation, Cloud Tail security groups, Glacier, ELASTIC BEAN STALK, Route 53, ELK |
| MS Azure | MS Azure Functions, Azure Cognitive Search, Azure Active Directory, Azure App Insights, ARM Templates, Azure CLI, Azure App Services, Azure Event Grids, Azure Front Door |
| Scripting Language | JavaScript, AJAX |
| Databases | Oracle, SQL Server, MongoDB, Cassandra |
| Messaging Brokers | RabbitMQ, ActiveMQ, Apache Kafka |
| Application Servers | WebSphere, WebLogic, Tomcat Server |
| Build Tools | Maven, Gradle |

**PROFESSIONAL EXPERIENCE:**

***Client:* Stripe Payments – San Francisco, CA June 2022-Till date**

***Role:* Lead Java Full Stack Developer**

***Responsibilities:***

* Involved in various phases of **Software** **Development** **Life** **Cycle** (**SDLC**) such as **requirements** **gathering**, **modelling**, **analysis**, **design**, **development** and **testing** (**Agile Development Methodology**/ **SCRUM** and tested the application in each iteration).
* Involved in planning process of iterations under the **Agile** **Scrum** **methodology** (**3 Iterations**).
* Major contributor in development of **Microservices** with **Spring Boot** and **Spring Batch** along with the test cases.
* Used Spring AOP and Spring Actuator to generate metrics with method level granularity and persistence.
* Extensively using **Java** features like **Lambda** **expressions**, **Stream** **API,** and Collections.
* Developed various screens for the front end using **ReactJS** and used various predefined components from **NPM** (**Node Package Manager**) and **redux** **library**.
* Used **Kafka** to **publish** messages from one service and **subscribe** to the messages using another.
* Used **Docker** for creation of images of **JAR files** for updated version of operating system.
* Performed **Continuous build** and **continuous integration** using **Jenkins**.
* Created **AWS Launch configurations** based on customized **AM**I and used this launch configuration to configure auto scaling groups.
* Developed the necessary front end user interfaces in JSP's, HTML, Java Script, CSS and Angular JS that will be integrated using Spring MVC Framework.
* Developed Form Beans/ JavaBeans, Spring Controller Classes and configured with the corresponding view pages in spring-config.xml file.
* Involved in developing and implementation of the web application using **Ruby on Rails**.
* Wrote a tool is written using **Java**, **Scala**, Play and **Akka** Errors flagged by the tool are picked up in **Splunk** and **Sitescope**.
* Led the development of automation scripts using Google Cloud Deployment **(GCP)** Manager, reducing deployment time.
* Worked on batch process development using **Akka** with **Camel**.
* Utilized **Cucumber** BDD to automate API testing, improving test coverage and reliability.
* Implemented **Cucumber**-based automated testing for API endpoints, enhancing test coverage and accuracy.
* Experience in building RESTful APIs using NodeJS, Hapi.Js including route handling, request/response handling, and integration with databases.
* Proficient in **Hapi.js** framework, RESTful API development, and server-side application development.
* Used **NodeJS, Hapi.Js** for server-side development, including handling I/O operations and creating scalable, high-performance applications.
* Worked on **UNIX** and Linux to move the project into production environment.
* Developed **MuleSoft** batch applications to import Transfer Evaluation and **GPA** data from UAchieve into **PeopleSoft** system.
* Worked on integrating **Okta** **SSO** product feature for customer facing web apps project.
* Created an **AWS RDS, Aurora DB cluster** and connected to the database through an Amazon RDS Aurora DB instance using the Amazon RDS Console.
* Amazon IAM was used to maintain the user credentials and involved in creating custom.
* Implemented design patterns in **Scala** for the application.
* Developed Application using **Spring MVC architectures** widely with annotations, dependency injection, IOC, integrated with the **Struts** framework with views based on **JSP’s**.
* Implemented **SignalFx,** **New Relic APM** instrumentation at the code level using libraries like **SignalFx** Agent **Python, Java, Node.js**, enabling real-time performance monitoring and anomaly detection.
* Expertise in **MVC** architecture using **Struts**, **Spark** with features like Validation, Tiles frameworks and Internationalization.
* Designed and developed Single page applications using **NodeJS, GULP.**
* Scalable data design for NoSQL databases like **MongoDB**, Caching in **MongoDB** With **Redis** Cache Using **Spring Boot**.
* Redesigned site with everything from **contact page** to landing **page** all using **ReactJS**.
* Used **Spring Security** designed for **authentication** and **authorization** to provide security and control the access to protected resources.
* Used **Spring** **Boot** service layer with dependency wiring, transaction, DAO and annotations.
* Developed **Hibernate** **configuration** files and queries and Implemented **DAO** classes using **JPA** and developed persistence Layer using **Hibernate**.
* Development of Transaction Reports of both Trading Partners and Adjudication processing Application using an Automated Unix Shell Scripting and provide a detailed analysis on their success and failure.
* In order to give the seamless login experience to all customers across multiple apps by leveraging the Okta Authorization server to authenticate the users thought SSO.
* Developed **Spark** Applications by using **Scala**, Java and Implemented Apache Spark data processing project to handle data from various **RDBMS** and Streaming sources.
* Used **Multi-Threading** concept to process multiple tasks concurrently to make performance better.
* Developed **applications** using **Java** and new features of **java (Lambda expressions, Date-Time API**).
* Used **React** **JS** components like **Forms**, **Keys**, **Events**, **Router**, **Animations** and **Flux** concept.
* Developed **AWS lambda** **function** to send a request for internal service end points through **API Gateway** using **Apache Http** Client.
* Used spring config server for centralized configuration and **Splunk** for centralized logging. Used Concourse and **Jenkins** for **Microservices** deployment.
* Developed and deployed enterprise-level Java applications using **Visual Studio, Spring Boot**, and **Microsoft SQL Server**, achieving high performance and scalability.
* Implemented a SOA compliant system working on various transactional messaging using Camel and used Session Beans Message Driven Beans.
* Created service accounts using **Terraform** with the respective roles to support the services deployed for managing the **GCP TechStack.**
* Utilized PostgreSQL and AuroraDB relational databases with automated backups, read replicas, and seamless integration with AWS tools.
* Created and managed AJAX calls in the application, integrated with the JSF controls.
* Developed and maintained Java applications using **Visual Studio Code**, ensuring code quality and adherence to best practices.
* Developed reusable **Cucumber** step definitions for common UI elements, streamlining test development and maintenance.
* Used **AWS EKS** to deploy and scale micro services at large scale.
* Develop quality code adhering to **Scala** coding Standards and best practices.
* Implemented **AWS solutions** using **EC2, S3, RDS** and **DynamoDB**.
* Created webpages pages using **HTML**, **CSS**, **jQuery** **UI, React**, **Restful** and **AJAX** to create **interactive front-end GUI**.
* Added a few statements to **JavaScript** for alerting in case of invalid users and data as per the requirement.
* Ensured that the **resource adapters** maps to the codebase of application.
* Used **Dynatrace** to troubleshoot development issues including performance bottlenecks, code-level insights, transactions tracing.
* Worked closely with the **DevOps** team to ensure smooth deployment and monitoring of **backend applications**, maintaining high availability and **reliability.**
* Leveraged **SignalFx, New Relic** integrations with cloud providers (**AWS**, **Azure**, **GCP**) and other monitoring tools to create a holistic view of application performance across the entire infrastructure.
* Provided expert-level support for **GCP** customers, resolving complex technical issues and ensuring customer satisfaction.
* Utilized Java and Spring framework to develop cloud-native applications on **GCP**.
* Contributed to the development of Java-based applications, leveraging Visual Studio Code for enhanced productivity.
* Develop and execute **Unit** **Test** plans using **TestNG**.
* Implemented **Log4j** for **logging** and developed test cases using **Junit.**
* Worked on **SOAP UI** extensively to perform **Unit** **Testing** of newly developed or existing web service operations.
* Worked on **Postman** extensively to perform **Integration** **Testing** of newly developed **RESTful** **web** **services** operations.
* Conducted thorough testing of **React components** and **redux actions** using testing frameworks like **Jtest**, ensuring robust code quality and minimizing bugs.
* Utilized serverless functions and **GCP** serverless services to streamline application development.
* Developed **Maven** scripts to develop the project war files and to deploy on to the **JBoss** **Server**.
* Maintained Version control of the code and configuration files using **GIT**.
* Used **JIRA** tool for project management in the application to track bugs, issues and project management functions.

***Environment:*** Java, JavaScript, NPM, jQuery, HTML, CSS, AJAX, RESTful web services, Hibernate, Spring boot, Spring security, ReactJs, Redux, Flux, Spring MVC, SQL, Hibernate, Kafka, Microservices, AWS cloud services, EC2, S3, RDS, MangoDB, AWS EKS, AWS DynamoDB, AWS lambda function, API gateway, Apache HTTP Client, AMI, AWS launch configuration, Git, Maven, **Jboss** server, Docker, Dynatrace, TestNG, Integration testing, Unit testing, Postman, SoapUI, JMeter, Junit Jest, GIT, Jira.

***Client:* American Express – Phoenix, AZ April 2019 – May 2022**

***Role:* Lead Java full stack Developer**

***Responsibilities:***

* Major contributor in customer maintenance and schedule payment sections.
* Worked with **Agile/Scrum** **methodologies**, ensuring efficient **project management** and **delivery.**
* Collaborate with stakeholders to understand **business requirements** and translate them into technical specifications and actionable development plans.
* Design and develop **RESTful** **APIs** and **Microservices** to facilitate seamless communication between various components of the financial application.
* Developed **Microservices** using **Java** and **Spring Boot**, ensuring scalability and modularity.
* Involved in working with **Angular components**, **modules**, **templates**, **services** and the principles of a **Single Page Application** (**SPA**).
* Used **JUNIT** for unit testing and Splunk to get the debug logs.
* Utilized **Visual Studio** extensions (e.g., ReSharper, CodeMaid) to improve code quality, efficiency, and maintainability.
* Spearheaded the implementation of behavior-driven development (BDD) using **Cucumber** and Java, ensuring effective collaboration between development and **QA** teams.
* Designed and implemented **Cucumber** BDD framework for a complex e-commerce platform, increasing test coverage and reducing manual testing effort.
* Design, develop, and **maintain Java-based applications, leveraging JDBC, Servlets, Struts, Spring, and SQL** for backend functionalities.
* Architected robust MuleSoft flows to automate business processes, reducing manual tasks.
* Developed Spark Programs using Scala and Java API's and performed transformations and actions on RDD's.
* Used **JSF** framework in developing user interfaces using Prime faces UI Components, Validator, Events and Listeners for handling request processing.
* Designed the application by implementing **JSF** Framework based on MVC Architecture with **EJB**.
* Developed a core routing framework for Verizon National Preorder using Apache Camel.
* Collaborated with cross-functional teams to troubleshoot and resolve escalated issues related to **GCP** services.
* Implementation of **NodeJS** is mainly used for authentication, authorization, session maintenance, and design of wireframe using **Angular** and creating services and exposing it to the backend which runs on **Spring Boot**.
* Designed and implemented **container-based polyglot** **Microservices** architecture using **Docker** and **ActiveMQ** for new application infrastructure.
* Implemented automated unit and integration tests using **JUnit** and Selenium WebDriver, ensuring code coverage and stability.
* Utilized **New Relic Synthetics** to proactively monitor application uptime and responsiveness from global locations, ensuring optimal user experience and early detection of outages.
* Work with third party application, hosting and **CDN** providers to integrate data feeds to a centralized **Splunk** platform.
* Worked on business and data base layer using the **Spring**, and **Apache Camel** frameworks
* Used **CI/CD** tools such as **Jenkins** to orchestratecomplex deployment workflows.
* Implemented **Azure functions** for integrating applications and to run back-end processes as per schedules without using managing servers.
* Developed **RESTful APIs** and microservices on **GCP** to enable scalable and flexible architectures.
* Led the migration of on-premises infrastructure to Google Cloud Platform (**GCP**), leveraging Google Kubernetes Engine (**GKE**) for containerized applications.
* Implemented **spring batch** to process monthly transactions and bill them accordingly.
* Developed distinct controller for every screen using **spring MVC** components and made **helper classes** to access various tiers.
* Expertise in asynchronous programming using callbacks, promises, or async/await in **NodeJS**, **Hapi.Js** and managed non-blocking operations effectively.
* Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
* Implemented authentication and authorization mechanisms using middleware, Passport.js, JWT within **NodeJS** applications.
* Instantiated all bean classes in **spring MVC framework** by configuring and implementing **Spring Application Context**.
* Implemented core persistence classes using **Hibernate framework**, writing HQL queries, DB schema and PL/SQL queries.
* Used **annotations** for configuration of **beans,** building web services, production ready features.
* Used concept of **spring AOP, Spring interceptors, spring filters, application context, bean factory.**
* Worked with **wrapper classes** to develop wrapper objects for Data access objects.
* Implemented **singleton, factory** and **command** design patterns.
* Implemented **Angular HTTP services** to validate input fields of the form asynchronously with data from data base.
* Implemented **Angular hooks** including the **effort hook** and **use state** hook to add state and actions to the functional component.
* Implemented asynchronous processing using **GCP** Cloud Tasks, improving overall application responsiveness.
* Integrated **Appium** with **Sauce Labs** for distributing tests on the cloud.
* Experience in setting up test environment for automated script execution using **Java**, **Appium** and **TestNG**.
* Used **Kubernetes** for creation of images of JAR files which work in updated systems.
* Deployment, Updating and deleting all the resources from the application in a single or coordinated operation using **Azure ARM**.
* Used **Azure VMs, Virtual network, Azure AD, Azure application gateway, Azure Blob storage, Azure container instances**.
* Implement **security** measures and **protocols** to safeguard sensitive financial data, adhering to industry regulations and compliance standards.
* Worked on trouble shooting development issues using **Dynatrace.**
* Employed **TestNG** grouping and dependency features to manage and execute test cases efficiently in complex testing scenarios.
* Implement and maintain robust data models in both SQL and NoSQL databases like **MongoDB** and **Oracle** **SQL**, ensuring **data integrity, security,** and compliance with regulatory standards.
* Implemented agent-server messaging dialog using **Apache Camel** and **JMS** (**Active MQ** implementation).
* Worked a lot on writing queries, stored procedures, functions and views for Oracle database to perform various operations on data.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDD, Scala and Python.
* Integrated **Maven** with development.
* Developed test cases and performed **unit and integration**, tested by using **Junit.**
* Used **Git** for version control, ensuring efficient tracking, management, and collaboration on code repositories.
* Participate in **code reviews** and provide **constructive feedback** to team members,promoting a culture of continuousimprovement and excellence.
* Maintain comprehensive **documentation** of **codebase, APIs**, and **technical processes** for future reference and knowledge sharing.

***Environment:*** Java,RESTful, Angular, Spring Boot, Spring batch, Spring MVC, Spring Security, Hibernate framework, Azure ARM, Azure VM’s, Azure virtual network, Azure AD, Azure application gateway, Azure Blob Storage, Azure container instances, Microservices, Junit, Docker, ActiveMQ, Kubernetes, Jenkins, MongoDB, Oracle SQL, JTest.

**Client: HCA Healthcare -Nashville, TN Dec 2016 – March 2019**

**Role: Sr Java Developer**

**Responsibilities:**

* Led the analysis, **design**, and **implementation** **phases** of the **Software Development Life Cycle (SDLC)** and employed **agile methodology** for application development.
* Implemented **Microservices architecture** using **Spring Boot** and **REST API**, ensuring scalability and modularity.
* Utilized **Java** features like **Stream API**, **Time API**, Functional **Interfaces**, **Multithreading,** and Exception Handling.
* Designed and developed the application usingframework **ReactJs**.
* Implemented **AWS** **cloud services** expertise, including **EC2, S3, CloudFormation.**
* Deployed containerized applications, set up a multi-node cluster, and oversaw **EKS** managed Kubernetes deployments.
* Established a **Microservices-**based **architecture** by deploying **Spring Boot**, enabling seamless interaction through **REST APIs**.
* Used **Microservices** architecture, with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka Message Brokers.**
* Contributed to the development and documentation of coding standards and best practices for Java development within **Visual Studio**.
* Integrated **GCP** services such as Cloud Storage and Cloud **Firestore** for scalable and efficient data management.
* Identified mobile elements using **Appium Inspector**, **UI Automator Viewer**.
* Secured the **API'**s by implementing **Oauth** token-based **authentication/authorization** scheme using **spring security.**
* Built stable **React components** and stand-alone functions to be added to any future pages.
* Used **ReactJS** components, **Forms, Events, Keys, Router, Animations** and **Flux concept.**
* Implemented the **Drag** and **Drop** functionality using **React-Draggable**.
* Built isomorphic applications using **ReactJS** and **Redux** with **GraphQL** on the server-side.
* Implemented **Continuous Integration** and **Continuous Deployment** (**CI/CD**) **pipelines** ensuring automated and streamlined software delivery processes using **Kubernetes** and **Jenkins**.
* Orchestrated **Java** application deployments using **AWS** **Elastic** **Beanstalk** on **EC2** instances, streamlining the deployment process and enabling automatic scaling.
* Worked on **AWS S3** **services creating buckets**, **configuring buckets** with permissions, **versioning, logging,** and **tagging.** Integration of **Amazon Web Services (AWS)** with other applications infrastructure.
* Configured **AWS EC2** instances in developing and **QA environments** with **NodeJS**.
* Designed and automated deployment workflows with **AWS CodeDeploy** and **AWS CodePipeline**, enhancing continuous integration and delivery processes.
* Worked with designer of **UI page**s to create a prototype using **HTML**, **CSS**, **JavaScript**, **and jQuery**.
* Responsible for **front-end** **UI** development using **HTML, CSS, Typescript, PrimeNG, RxJS.**
* Used **jQuery** **UI** for **dialogs, tabs, data picker** and **model popups.**
* Used **CSS Sprites** to decrease the number of **HTTP** request**s** and load time of web pages.
* Installed, configured, and administered **NoSQL database** **clusters** in **AWS Virtual Private Cloud Network** for available data on **cloud.**
* Worked on **Amazon DynamoDB** to set up, manage and interact with a **NoSQL** database for data.
* Configured **Jest** for various **JavaScript** libraries and frameworks, including **React**, ensuring comprehensive test coverage.
* Performed Unit test cases using **TestNG** for spring, **Mocha and Chai** for **React**.
* Created **dynamic schema design** through **NOSQL** database **Redis** by writing rich queries and achieved data in a collection to be distributed across multiple systems for horizontal scalability as data volumes increase through Automatic Sharing.
* Developed **Maven** **Profiles** for the build process and deployed them in the **server.**
* Used **Git** as **Version control** for code repository and for continuous consistency.

**Environment:** Java, Spring boot, Microservices, REST API, Node JS, Apache Kafka, Spring AOP, Spring MVC, Spring Boot, Spring Security, OAuth, AWS cloud services, AWS EKS, EC2, S3, CloudFormation, CodeDeploy, CodePipieline, AWS Elastic Beanstalk, AWS virtual private cloud network, Kubernetes, Jenkins, Redis, Agile Methodology, TestNG, Mockito, Maven, Git.

**Client: BestBuy Ecommerce – Richfield, MN**  **Jan 2015 – Dec 2016**

**Role: Java Full stack Developer**

**Responsibilities:**

* Involving in **analysis, specification, design**, and **implementation** and testing phases of **Software Development Life Cycle (SDLC).**
* Used **spring** as an **application framework** to build the **Services layer.**
* Used java features like **lambda functions, Stream**, **Collectors, functional interfaces.**
* Created **Angular** controllers, **services**, used **Angular filters** for filter functionality in search box and integrator functionalities.
* Migrated **two legacy JAVA** Applications deployed on **Tomcat Server** to **Spring Boot** stand-alone application on **Azure.**
* Implemented its core modules such as Spring Core Container, Inversion of **Control, Data Access**, MVC and **Annotation Spring Boot configurations.**
* Used **Hibernate framework** to connect to the database.
* Configured the dependencies with **auto configuration** feature in spring and enable **spring profiles** to switch between various set ups.
* Developed the **persistence layer** using **Hibernate Framework,** created the **POJO** objects and mapped using **Hibernate** annotations and **Transaction Management.**
* Took part in setting up the routing configuration using **Angular UI router** for various views and sub views.
* Created **Angular** components, implemented **Interpolation**, Input Variables, **Bootstrapping, NgFor, NgIf, Router Outlet,** **event binding,** and **decorators.**
* Develop micro services and implement them using java and deploy them on **Azure Kubernetes services (AKS).**
* Used **Azure Virtual Machines, Azure app service, Azure databases, Azure Files.**
* Wrote Queries to get the information from **cassandra** for adjusting the data in it.
* Used **GIT** as Source/ Version control management system.
* Developed and maintained **Maven** project structures and directory layouts for consistency.
* Testing is done through **Test Driven Development (TDD)** using **TestNG**. Used **Jasmine** and **Karma** for **UI testing.**
* Created and maintained detailed project plans, timelines, and roadmaps using **Jira** project management features.

**Environment:** Java, Angular, Node JS, Express JS, cassandra, Angular UI, HTML, Bootstrap, CSS, JavaScript, Spring Boot, Azure, spring, XML, Spring Boot, REST, Apache Kafka, Hibernate, GIT, Maven, Jenkins, Kubernetes, TDD, TestNG, Jasmine, Karma, Jira.

**Client: Mastek Enterprises Solution Private LTD. – India June 2012 – Nov 2013**

**Role: Java Developer**

**Responsibilities:**

* Used **Spring** for **bean instantiation**, annotations, controllers, request mapping to handle the **Webservices** request and response.
* Implemented **Spring boot microservices** to process the messages into the **Kafka cluster setup.**
* Developed **REST APIs** using **Spring Web Framework** and **core Java APIs.**
* Used **Spring Boot** which is **radically faster** in **building cloud Micro Services** and develop **spring-based application** with very less **configuration.**
* Used **Spring Framework** for the **application development.**
* Developed **DAOs** using **JPA**, **hibernate persistence API** for the **database operations** to interact with **Oracle Database**.
* Worked on **front end development** using **Struts, JSP's, JSF and JSTL.**
* Developed **REST Web services** to make **web service calls** simple and easy for the client to access it with the help of standard **HTTP URIs.**
* Utilized **AWS Elastic Beanstalk** for automatic **scaling testing.**
* Deployed **service APIs** on **AWS EC2** for **integration testing.**
* Setup and build **AWS infrastructure** various resources, **VPC, EC2, S3, Dynamo DB** and **RDS** in **Cloud Formation JSON** templates.
* Integrated services like **AWS Code Pipeline, Jenkins,** and **AWS Elastic Beanstalk** to create a deployment pipeline.
* Used **Node.js** to run s **tasks** and build properly the project and **Implement modules** into **Node JS** to **integrate** with **designs** and requirements.
* Designed and developed request and response **XML Schema** (**XSD)** documents for **Webservices operations** such as **Retrieve History.**
* Implemented **Log4j** for **logging** and developed **test cases using Junit learned XML** for communicating client.
* Developed test cases and performed **unit and integration**, tested by using **Junit** involved in developing Webservices operations in **Service Oriented Architecture** (**SOA**).
* Used **Oracle database** to store the client data in a structured format.
* Used **Maven** for the project management like **build, install** deployed application on **Apache Tomcat server.**
* Used **GitHub repository** to run the **Jenkins** job for **Continues Integration** while developing the applications and posting them in **GIT.**
* Developed **Groovy scripts** to test report application output.
* Used **Selenium** for **UI automation** and used log4j for **logging errors, info, exceptions**.
* Involved in developing Webservices operations in **Service Oriented Architecture** (**SOA**).
* Responsible to finish **Jira Tickets** assigned on time and update their status on regular basis.

**Environment:** Java, J2EE, Spring, **React JS** Spring MVC, Spring Boot, Hibernate, Nodejs, Microservices, SOAP, Tomcat, JPA, Maven, GIT, JUnit, Groovy, Log4j, Oracle, HTML, Kafka, CSS, JSON, JMS, UML, JSP, XML, JAXB, Unix, Selenium, Eclipse, Jenkins, Jira.

**EDUCATION:**

**KKR AND KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**

Bachelors of Engineering in Computer Science (2008-12).