**Sr. Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* Around **8 years** of Professional experience in Design, Development, Maintenance, and Implementation of Enterprise applications using **Java**, **J2EE, Spring, Spring Batch, Microservices Technologies.**
* Strong fundamentals in Object-Oriented Programming, Core Java and experience in developing application components using frameworks like **Spring, Hibernate**.
* Good Knowledge and Hands-on experience in building Enterprise Applications and Distributed Systems using technologies such as **Core Java, Servlets, Mule ESB, JDBC, JSP, XML Spring JDBC, DAO, Spring Security (OAuth2, JWT) and Spring Web framework.**
* Good hands-on experience with **Core Java**, Object Oriented Programming Principles like Class, Object, Inheritance, Polymorphism, Abstraction, Encapsulation with strong understanding and working Knowledge of Collections, Multi-Threading, Exception Handling, Data Structures and Polymorphism.
* Have extensively **used HTML5, CSS3, JavaScript, TypeScript, JSON, AJAX, DOM, Custom Tag Libraries, JQuery, Bootstrap, XML, XSLT, Angular** **2+, ReactJS, BackboneJS, ExtJS, ExpressJS** technologies.
* Experience in developing cross platform server-side applications using **Node, BackBone.js and Angular** to achieve scalability in real-time web applications.
* Implemented **SOA** services with **Microservices** architecture using **SOAP, Restful** services.
* Proficient in developing/consuming REST APIs including tooling for documentation (Java, Spring Boot, Postman).
* Involved in consuming **RESTful web services** using **Angular** to render JSON data.
* Hands on experience in deploying **Spring Boot** based Microservices using **Docker container** and **Amazon EC2 container services** and using **AWS admin console** and Strong Hands-on experience in development and deployment of cloud native Spring Boot based micro services.
* Scaling-up processes using Java libraries like **Multithreading, Collections, Exception Handling, File Handling, IO, and Spring Batch**.
* Experienced in performing **CRUD** operations using **Java, MongoDB, Cassandra** and writing complex quires with **SQL** and **Stored procedures**.
* Experience in development, deployment and troubleshooting Web based and enterprise-based applications on **Windows, UNIX and Linux platforms.**
* Knowledge in SQL & NoSQL databases such as Oracle, MySQL, MongoDB and expert in writing **SQL Queries, Stored Procedures, Functions, Indexes, Triggers, Dynamic SQL, Views, Error Handling**.
* Used testing tools like **SOAP UI**, Postman and Advanced Rest Client for testing Web Services.
* Excellent working experience in developing applications using J2EE Design Patterns like creational, structural and behavioral design patterns (**MVC Architecture, Singleton, Factory, Facade, Service Locator** etc.)
* Expertise in using **React JS** components, Forms, Events, Keys, Router, plus Redux, and Flux concept.
* Hands on experience in **Amazon Web Services** (AWS) provisioning and good knowledge on AWS services like AWS **Lambda**, Simple Storage Service (S3), **Elastic Compute Cloud** (EC2), **Virtual Private Cloud** (VPC), **Route53**, **Cloud Watch**, **AWS CLI**, **Cloud Formation**, **RDS**, **SNS** and **EBS**.
* Experience in **automating** the infrastructure in **AWS** using web services.
* Have complete knowledge and understanding with **Cassandra** Architecture.
* Experience in using various configuration management and version control tools like SVN, CVS, **Github, Bitbucket.**
* Experience in designing and developing unit testing using frameworks like **Junit, Mockito**, **PowerMock.**
* Experience in using logging frameworks like **Log4J** and **SLF4J** and metrics monitoring using **Splunk, Zipkins** and **Grafana**.
* Experience of working with Application servers, Web servers like **IBM WebSphere, WebLogic, JBOSS**, **Apache Tomcat** and **Nginx**.
* Experience in infrastructure as a code tools such as **Terraform, AWS CFT, Azure ARM** templates.
* Having good experience in developing applications using Project management Methodologies (**Waterfall, Agile, SCRUM**).
* Good knowledge of **Docker, Kubernetes, IBM cloud, API connect, GraphQL, ReactJS**.
* Intense Knowledge with Continuous integration and hands-on experience on tools like **Hudson, Sonar,** **Jenkins**, **Apache Ant, Maven, Bamboo, MS Build**, **Gradle** and **Ivy**.
* Hands on experience using **Selenium** and **Cucumber** for Automating Test Suites and deriving functional and acceptance tests.
* Hands on experience using **Active MQ, Rabbit MQ** and **Kafka** to implement messaging and queuing requirements.
* Strong problem solving, interpersonal skills, ability to interact with people at all levels. Good communication and presentation skills.

**Technical Skills:**

| **Languages** | Java 1.8, Python, JavaScript, TypeScript, PL/SQL, Python |
| --- | --- |
| **Technologies** | Spring, Spring Boot, Spring Batch, Spring Data, Restful, Microservice, Spring MVC, Spring REST, Servlets, JMS, JSP, JSTL, Custom Tags |
| **Web Technologies** | JavaScript, CSS3, SCSS, Angular, Bootstrap, AJAX, Velocity Templates, HTML5, React JS, and NodeJS |
| **JavaScript Technologies** | Angular 2/4/5/6/7/9, React JS, Node JS, Express JS, Ext JS, Backbone JS, Express JS. |
| **Frameworks** | Spring Boot, Spring Framework, Hibernate, Angular Framework, Struts Framework, Mockito, Junit, Spring JPA, Spring Web, Spring REST, Spring WebFlux, Spring WebFlow, Spring Security, Hibernate. |
| **Database Tools** | Toad for Oracle, Toad for MySQL, Oracle SQL developer, DB Visualizer, Mongo Compass, PG Admin, Robo Mongo, MySQL Workbench, DBeaver |
| **Databases** | Oracle 9i/11g/12c, IBM DB2, Mongo Database, MS-SQL Server, PostgreSQL, MySQL, Cassandra, RDS, DynamoDB. |
| **Web Services/Specifications** | SOAP Webservices (JAX-RPC, JAX-WS), RESTful webservices (JAX-RS) |
| **Web/Application servers** | Apache Tomcat 8/9, IBM WebSphere, Jetty, Weblogic 10/12, JBoss, Nginx |
| **Cloud Technologies** | AWS (EC2, S3, SNS, CloudWatch, Cloud Formation Template, RDS, VPC, Auto Scaling, IAM), PCF, Docker |
| **Version Control** | Tortoise SVN, Bit Bucket, GitHub, CVS |
| **IDEs** | Eclipse, Spring tool suite (STS) IntelliJ, Net beans, JDeveloper, Jetbrains, Visual Studio Code |
| **Build Tools** | ANT 1.7,1.8,1.9, Maven various versions, Gradle, Ivy, Webpack |
| **CI/CD Tools** | Jenkins, Bamboo, Urban Code Deploy, Concourse |
| **Logging & Monitoring** | Log4J, SLF4J, Splunk, Zipkins, Grafana |
| **White box Testing** | Junit 3, Junit 4, DB Unit, Mockito, Easy Mock, Power Mock, TestNG, Karma, Protractor, Cucumber, Selenium. |
| **Black box Testing** | HP Quality Center, JIRA, Bugzilla. |
| **Performance Testing** | JMeter, Load UI, Load Runner, Win Runner. |
| **ORM Frameworks** | Hibernate 4, JPA, Spring JPA. |
| **Methodologies** | Agile (XP, Scrum) and SDLC (Waterfall) model |
| **Batch Jobs** | Quartz Scheduler, Cron, Spring Batch |
| **Templating** | Velocity, Free marker |
| **Operating systems** | Windows 10/7/XP, UNIX, AIX, OEL, Mac, Linux Sun Solaris, Ubuntu Server 11/12/14 |
| **Cloud Technologies** | AWS (Lambda, EC2, S3, SNS, CloudWatch, RDS, VPC, IAM) |

**PROFESSIONAL EXPERIENCE:**

**Client:** **Amerisource Bergen, Dallas, TX Feb 2020- Till Date**

**Project Description**:Enterprise Cloudhub project- The objective of this project is to develop a new software application in micro-services architecture to replace the old monolithic java/jsp architecture so the company can provide more efficient and reliable services to business clients. My team performs analysis, design, programming, testing and final implementation for the new application. I was responsible for rebuilding appointment reminders module and messaging management module.

**Responsibilities:**

* Used Scrum as a development methodology, participated in Daily Scrum meetings, Sprint planning and, Retrospective and other Agile meetings.
* Designed and configured **Azure Virtual Networks** (VNets), subnets, **Azure network settings**, DHCP address blocks, DNS settings, security policies and routing.
* Deployed **Azure IaaS virtual machines** (VMs) and **Cloud services** (PaaS role instances) into secure VNets and subnets.
* Designed VNets and subscriptions to confirm to Azure Network Limits.
* Exposed Virtual machines and cloud services in the VNets to the Internet using **Azure External Load Balancer** .
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Implemented high availability with **Azure Classic** and **Azure Resource Manager** deployment models.
* Implemented responsive UI rich web applications with **HTML5, CSS3, SCSS, Bootstrap** and **Angular 5/7/9, RxJS** and used reactive & template driven forms to associate HTML elements to model & provide dynamic user validations on client side.
* Implemented Angular Router to enable navigation from one view to the next as customer performs application tasks and lazy loaded modules in the router.
* Design and develop Single Page Applications and intuitive user interactions on web pages using **Angular 5/7/9**, **React,** **HTML5, CSS/CSS3/SCSS, TypeScript, JSON, Node, Webpack, Grunt.**
* Design and implement **MVC** architecture of **React** in developing the apps, controllers and directives which are totally customized to meet the needs of the application.
* Create several reusable typescript components and directives, use angular http client module to consume the restful services.
* Design and Develop unit test cases for the components and modules using **TestNG, Karma, Jasmine** and **Protractor**.
* Experience working with testing tools like Jest, Firebug, Protractor, Chrome/safari web inspectors and IE Developer Toolbar.
* Used **Spring Boot** 2.x, which is radically faster in building cloud based Micro services with very less configuration.
* Supported our legacy portal which was implemented with **Spring MVC** architecture.
* Use **Spring Security** to control the Authentication and Authorization to access the resources within the application.
* As part of securing the Restful webservices we used **Spring Security** filters along with bearer token authentication mechanism using **JWT** token.
* Implemented **OAuth** 2.0 (Rest service authentication) in our application to communicate securely with other protected resources by exchanging access tokens for authentication instead of using username and passwords.
* Single Sign On (**SSO**) authentication is implemented using **Spring security** and Site Minder so that user can sign into single site and browser will sign automatically to another cross domain.
* Implemented custom API Gateway and Proxy Pass using **Netflix ZUUL Proxy**.
* Mapped the objects with the Database using **Spring JPA** as the Persistence Framework.
* Used Spring Core Annotations for Dependency Injection, Spring DI and Spring MVC for REST APIs application with **Spring Boot and Microservices**.
* Involved in writing of multiple batch jobs using **Spring Batch** framework where both annotation & xml-based configuration is done to support various business functionalities.
* Use **Spring JPA, Hibernate, Hikari** to establish and manage database connection pool and leaks, perform data transactions.
* Implemented REST API using Node.js, Express.js.
* Used node.js as a proxy to interact with RESTful services and interacting with PostgreSQL Database.
* Generated swagger documentation for rest services and exposed it external teams by using spring fox swagger library.
* Use Java Messaging Services (**JMS**) for reliable and asynchronous exchange of valuable information.
* Design and Implement logging in backend applications using **Log4J** and **SLF4J** to capture runtime errors and for log traces.
* Implemented messages processing system using **Active MQ** for receiving & queueing the messages.
* Use **Splunk** and **Grafana** to build monitoring, tracing and tracking dashboards.
* Involved in writing of test cases using **JUnit** and **Mockito** framework and maintained a branch coverage above 85% which is a mandatory requirement.
* Handled modifications in stored procedures, packages, and functions, at the backend and also in PL/SQL coding both at backend and front end.
* Configured **Docker** setup locally to have unique environment across different layers of testing.
* Monitored and fixed issues Build’s for QA, DEV, integration and production are monitored by integrations tool **Jenkins**.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
* Followed Acceptance Test Driven Development (TDD) with the help of **Cucumber** framework where we automated the test execution of each feature we developed.
* Developed keyword driven frame work using selenium and java
* Involved in design and development of key word drive automation frame work using selenium Webdriver.
* Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.
* Configure **Jenkins** build jobs for various services to facilitate continuous integration and continuous deployment (**CI/CD**).
* Used **GitHub/Jira/Confluence** tool for daily routines.
* Involved in configuration setting for Development, Test, and Production Environment.
* Design and develop micro-components, microservices, and deploy on cloud platform AWS using an automated process through services like **Lambda, EC2, S3, CodeDeploy, CodePipeline, Cloud Formation, VPCs, Subnets and Security Groups.**

**Environment:** Java8**,** J2EE, Spring, Spring Boot 2.x, Angular 5/6/7/9, React, RxJS, Node JS, Typescript, JMS, Log4J, Eclipse, Visual Studio Code, Web Services (SOAP and WSDL), HTML5, Vue JS, CSS3, Bootstrap, Eclipse, Jenkins, Mockito, Junit, Active MQ, Ant, Github, Tomcat, SOAP and Restful, TDD, Mongo DB, Ubuntu, JIRA, Confluence, AWS (EC2, S3, ELB, VPC, Subnet, Cloud Formation, Cloud Watch, Cloud Front, SNS, SQS), Docker, Cucumber, Zuul, Grafana, TestNG, Jasmine, Karma.

**Client: Cloudera, Sunnyvale, CA Jan ’2017 – Dec ’2019**

**Full Stack Developer**

**Project Description**: Multifactor Authentication address critical security gap by delivering an integrated set of strong, risk-based solution that effectively complement changes in Hortonwork's online Business environment. These changes provide the capability for Clients to access Client facing applications from anywhere at any time, over the internet.

**Responsibilities:**

* Involved in analyzing a request**, design, development**, unit testing and **implementation.**
* Participated in requirement gathering and designed application using UML. Elaborated on the Use Cases based on business requirements and was responsible for creation of **Class Diagrams, Sequence, Collaboration and Activity Diagrams.**
* Responsibilities included development of new modules of the application such as Web using **J2EE technologies and Spring Framework.**
* Implemented service layer using **Spring IOC** and annotations and Controllers using Spring MVC.
* Implemented **DAOs**, entities using Hibernate API and Hibernate QL.
* All the functionality is implemented using Spring IO / Spring Boot and Hibernate ORM. Implemented Java EE components using Spring MVC, Spring IOC, spring transactions and **spring security** modules.
* Developed **Hibernate mapping file** and the **HQL querie**s and **Criteria API** for retrieving data from databases.
* Created automated pipelines in AWS pipeline **to** deploy **Docker**containers in AWS **ECS**using services like **CloudFormation,** **CodeBuild,** **CodeDeploy,** **S3**and **puppet.**
* Built S3 buckets and managed policies for **S3** buckets and used S3 bucket and Glacier for **storage** and **backup** on AWS.
* Configured AWS **Multi Factor Authentication**in **IAM**to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
* Development of **Python** APIs to dump the array structures in the Processor at the failure point for debugging
* Worked with the team to develop **POJO’s** using **spring framework** for **dependency injection** andintegrating it with **Hibernate and Spring Data JPA.**
* Extensively worked on N-Tier architecture systems with application system development using **Java8, J2EE, JSP, Servlets, Struts, JMS, EJB, JDBC and Multithreading.**
* Developed Session Bean/Entity Beans for MPI.
* Responsible for creating efficient design and developing User Interaction screens using HTML, CSS3, **Bootstrap**, JavaScript**, Angular 6** and **Node JS**.
* Enhanced application performance by **Angular 6** Component based development in view of future Angular framework transitions.
* Created documentation for all the components which is included in **React**-Bootstrap page.
* With the concept of **React JS** Worked on usage metrics and also end to end events tracing for analysis purpose.
* Building**Linux servers (web-logic application, apache, DB servers etc)** in large quantity as per EDC and Non-EDC production requirement as well as App/Dev requirement.
* Coordinated hardware/software installations and upgrades to ensure proper **Unix** system performance.
* Served as the lead **PowerShell** developer in hundreds of Windows based migration and automation projects.
* Installed and maintained **Unix** security patches on the development systems.
* Engineered and implemented fully automated end-user, data migration solution to eliminate business downtime during acquisition/merger using **Windows PowerShell**.
* Created **PowerShell** scripts to constantly monitor the health of the Exchange messaging infrastructure and notify my teammates or myself in the event of a problem.
* Developed DAO layer exposing access to **MongoDB.**
* Worked with containerization tools, can implement transition to Docker and develop distributed cloud system using Kubernetes and Helm package manager for **Kubernetes**.
* Design, build and manage the ELK (**Elasticsearch**, Logstash, and Kibana) cluster for centralized logging and search functionalities for the App.
* Written and Maintained Automated Salt scripts for **Elasticsearch.**
* Excellent Knowledge of **Cassandra** Architecture, Cassandra data modelling & Monitoring Cassandra using OpsCenter.
* Can handle commissioning and decommissioning nodes along with monitoring of **Cassandra** Cluster.
* Have Knowledge on Apache Spark with **Cassandra**.
* Closely worked with **Kafka Admin team** to set up **Kafka** cluster setup on the QA and Production environments.
* Used Spring **Kafka** API calls to process the messages smoothly on Kafka Cluster setup.
* Used **AJAX, JSON** to send request to the server to check the functionality of the websites and for storing and exchanging information between browsers and servers.
* Developed User Interface using **Struts, JSP, Java Script, Ajax and JSON**.
* Expertise with web-based GUI architecture and development using **HTML, CSS, DHTML, AJAX, JavaScript XML** and **Tag libraries (JSTL).**
* Developed build scripts to generate the EAR file with Maven.
* Developed REST web services using **JAX-RS** API to send data from **Oracle** Database in **JSON** Format
* Developed **soap webservices** using cuff to interact with MPI Services.
* Implemented REST Microservices using spring boot.
* Used **Soap UI** for testing Web Service.
* Used **CVS** tool to maintain version control.

**Environment**: Java 8**,** J2EE, Spring, Hibernate, Spring Data JPA, Webservices, PowerShell, WebLogic Portal, JMS, EJB, AJAX, Struts, JSP, Java beans, Web Services, Apache Kafka, WebLogic Application Server, SOAP, XML, JAXP, JNDI, UML, CSS, DHTML, Oracle, Java Script, Cassandra, HTML.

**Client: Health Care Service Corporation (HCSC), Hyderabad, India Jan ’2014 - Jan’2017**

**Java Developer**

**Project Description**: HCSC offers health and supplemental insurance plans to serve individuals, families, seniors, servicemen and servicewomen, and veterans. It operates in three segments: Retail, Employer Group and Healthcare Services. The Retail segment offers Medicare and commercial fully insured medical and specialty health insurance benefits, including dental, vision, and other supplemental health and financial protection products. The Employer Group segment offers Medicare and commercial fully insured medical and specialty health insurance benefits, including dental, vision, and other supplemental health and voluntary benefit products, as well as administrative services only products (ASO).

**Responsibilities:**

* Responsible for creating Class diagrams, Sequence diagrams, Use Case diagrams, Object Model diagrams and deployment diagrams using Rational Rose for migration modules.
* Involved in complete development of ‘Agile Development Methodology/SCRUM’, developed and tested the application during various iterations.
* Used Collection Framework and **Multithreading** for performing cache Operation.
* Developed, and debugged the servlets and EJB with WebSphere Application server.
* Developed the middle tier using **EJBs, Java Servlets, session, entity beans** and message driven beans.
* Designed and developed the UI using Struts view component, **JSP, HTML, CSS** and **JavaScript, AJAX, JSON**.
* Designed and developed web pages using with **HTML5, DHTML, XHTML, CSS3, Ajax, JSP** and **JQuery** based on the W3C standards and Web 2.0.
* Achieved role control functionality mainly by retrieving **JSON** data from **AJAX** and combining the retrieved data with **jQuery** to manipulate nodes in DOM tree.
* Utilized a combination of regular expression and jQuery Validation Plugin to conduct input check.
* Designed the data flow for the client-side screens and the object interaction layer for the server-side components using Rational Rose.
* Involved in Use Case Diagrams, Class Diagrams and Sequence diagrams using Rational Rose.
* Used **XML/XSLT** for transforming common XML format and **SAML** for **Single Sign-On**.
* Designed configuration XML Schema for the application.
* Developed Maven scripts and developed builds using Maven and continuous integration servers like **Jenkins**.
* Used JavaScript for the client-side validation.
* Used XML Http Request Object to provide asynchronous communication as part of AJAX implementation.
* Prepared the test plans and executed test cases for unit, integration and system testing using different automation tools like **Junit, Soap UI** and **Fiddler**.
* Performance Testing experience using **JMeter**.

**Environment:** Java, J2EE, Struts, HTML, JSP, JDBC, EJB, ANT, XML, IBM Web Sphere, JUNIT, DB2, Rational Rose, CVS, UNIX, Clear Case.