**Ravikumar R**

**PROFILE SUMMARY:**

* Around 9 Years of experience in **Software Development Life Cycle (SDLC)** and Software Engineering including requirement gathering, analyzing, designing, implementing, testing, support, and maintenance of client-server applications.
* Expertise in building web and enterprise applications in domains including **Healthcare**, Banking and Financial
* Strong in **Java/J2EE** design patterns and other object-oriented concepts (OOPS).
* Developed **ANT** Scripts and used **MAVEN** tool to build and deploy **J2EE** Applications.
* Designed and developed multiple **J2EE** Model 2 MVC based Web Application using **J2EE** Technologies and popular open-source framework Struts Framework, **Spring MVC, Spring Framework, Spring Boot, Hibernate ORM Framework**.
* Experience in working with cloud providers like AWS cloud, Azure Devops, Google Cloud Provider kubernetes cluster.
* Strong experience in **unit testing** tools of **JavaScript Frameworks** like **Karma, Jasmine and Protractor for Angular.**
* Configured Swagger-UI registered Microservices with Eureka server to monitor service health check from Spring Boot admin console
* Developed Single Page applications using **Angular JS 2, HTML, CSS, Semantic UI libraries and Typescript**.
* Expertise in implementing Web Services based on Service Oriented Architecture (SOA) using **SOAP**, **Restful Web Services.**
* Experience in containerizing application using docker and depoyed to kubernetes cluster.
* Creating Rich UI applications using **Angular 2/4/6** integrating with **REST API's** built on **Microservices**
* Experience in the developing professional web applications using **HTML5, CSS3, JavaScript, jQuery, Bootstrap, AJAX, JSON, XHTML, XML and Node.js**
* Experience in Server-side messaging using camel and JMS and development experience at server-side using technologies **EJB, Web Services, XML, Oracle, MySQL Server.**
* Experience in **testing** with JUnit Framework using **Mockito** and **Easy Mock**, and other testing tools like **Firebug, Fire Poster, Protractor, Selenium, Jasmine, SoapUI.**
* Experience in Designing, Architecting and implementing scalable cloud-based web applications using **AWS and GCP**
* Good understanding on kubernetes architecture and concepts like services, pods and replicasets
* Hands on experience in developing Single Page Applications (SPA) using **AngularJS**
* Expert knowledge of **JavaScript frameworks** such as **Angular**, **Media Query and libraries like Backbone JS.**
* Working on creating a distributed network by hosting the application on **AWS cloud,** **Amazon EC2 servers.**
* Experience in working with **automation tools** like **selenium** and continuous **integration tool JENKINS**.
* Experience in Configuration and deployment of multi-tier applications using servers like Web Sphere, Web Logic, and Tomcat.
* Good knowledge on providing authentication and authorization for web services using **OIDC (Open ID Connect)** on top of **OAuth 2.0**. And **spring** **security, Site minder (for pol based authentication and single-sign on)**and **JWT (JSON web tokens for securely transmitting information between parties as a JSON object).**
* Experience in working on modern **MEAN Stack- MongoDB, Express, Angular and Nodejs**.
* Handled all the port mapping/binding things that happen with **Dockers** and **Containers.**
* Solid Hands-on experience in end to end implementation of **CI and CD** (Continuous Delivery), DevOps processes using **AWS** Code Commit AW.
* Used Mongoose **API** in order to access the **MongoDB from NodeJS.**
* Experience in Enterprise Integration Development using **Apache Camel, JMS and Webservices.**
* Excellent understanding of **PL-SQL** programming. Develop, implement and optimize stored procedures, functions, views using **PL-SQL**, also worked with various databases like **Oracle, MongoDB, MySQL, DB2 and MS SQL Server**
* Experience in processing semi-structured and unstructured datasets.
* Strong independent learning ability, team player, easily adaptable to different development environments, collaborative, highly motivated and dedicated to delivering quality software
* Actively participated in daily scrum meetings, sprint planning sessions, sprint reviews, and retrospectives.

**TECHNICAL SILLS:**

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| **Web Technologies** | **HTML/HTML5, XHTML, DHTML, XML, JavaScript, Node JS, Bootstrap, Ajax, CSS 2/3/4, Angular 4/6, LESS, SASS, JSP, DOM, MVC, Spring, Spring MVC, Git, Gulp, SOAP, REST, Sketch, Sketch 3, Rapid UI, ADA Compliance, Prototyping, Information Architecture, Interaction Design.** |
| **Languages** | **C, C++, JavaScript, PL/SQL, MVC.** |
| **XML Stack** | **XSL, XSD, XPATH, DTD, XML Schemas, DOM, SAX.** |
| **Adobe Tools** | **PageMaker, FreeHand, InDesign, Insight, Photoshop ColdFusion Studio, Collaborate, Acrobat Pro and DC, and Adobe Analytics Cloud, Flash, Ant, Maven.** |
| **Web Services** | **SOAP, RESTful.** |
| **Operating Systems** | **Windows Family, LINUX, UNIX (Sun Solaris), Mac OS.** **RedHat,Ubuntu** |
| **Java Technologies** | **Core Java, J2SE, JSP, JavaScript, Servlet, HTML/HTML5, CSS/CSS3, XML.** |
| **Frameworks** | **Spring, Struts, Hibernate, Spring Cloud** |
| **Applications & Web Servers** | **WebSphere, WebLogic, Apache, Tomcat, JBoss, Mango HTTP Server.** |
| **IDE Tools,** | **Eclipse, MS Visual Studio, Notepad++, Dreamweaver, NetBeans, Edit Plus, Sublime Text, WebStorm.** |
| **Web Server** | **Java Web Server, Apache Web Server, ANT, Tomcat, Jetty.** |
| **Other Tools** | **TOAD, Log4J, Mockito, Junit, JIRA, Jenkins, Rational Rose, Eclipse, MS-Office, Log4j, AWS, ANT, WSAD, Maven, MS Project.** |
| **Methodologies** | **Agile, Waterfall, TDD, SDLC.** |
| **Reporting Tool** | **Crystal Reports. Jasper, Crystal Reports** |
| **Version Control** | **GIT, SVN, Clear Case.** |
| **Nosql Databases** | **Mongo dB, HBase.** |
| **RDBMS** | **MySQL, SQL Server, Oracle, DB2, Mongo dB, Cassandra.** |
| **Cloud Technologies** | **AWS, EC2, S3, EB2** |

**PROFESSIONAL EXPERIENCE:**

**Client: CVS Pharmacy, New Jersey, USA Jan 2022 – present**

**Role: Sr Java Full Stack Developer**

**Responsibilities:**

* Participating in application solutions including assisting with planning and architectural design, development, resolution of technical issues, and application rationalization.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 4.
* Involved in Unit testing of application using Karma and Jasmine library to make sure that the application is compatible in all browsers.
* Implemented Docker containers to create images of the applications and dynamically provision slaves to Jenkins CI/CD pipelines
* Unique experience with Pivotal Cloud Foundry and Open Shift/Kubernetes architecture and design, troubleshooting issues with platform components (PCF), and developing global/multi-regional deployment models and patterns for large scale developments/deployments on Cloud Foundry and OpenShift/Kubernetes
* Implemented micro services architecture using spring boot and Spring REST to create REST end points and integrated Swagger Spring boot to get dynamic documentation.
* Implement modules into NodeJS to integrate with designs and requirements.
* Involved in writing the front-end code for the application using AngularJS.
* Implemented the presentation layer (GUI), based on open-source framework, involving Servlets, JSP, JSTL, JSF, CSS3, HTML5, JavaScript and GWT.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Developed and performed test cases using Jasmine and Karma for front end unit testing and used the Cucumber, Protractor and Http-server for the End 2 End testing.
* Created JSON request and validated the response using postman Interceptor and Swagger UI.
* Used jQuery, Angular JS and Node JS to develop the rich user interface and to invoke RESTful Web Services to perform various operations.
* Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters
* Used Maven for developing build scripts and deploying the application into WebLogic.
* Performed backend operations using Hibernate and native SQL on various databases.
* Developed single page applications using Angular 4/6, Typescript, HTML5, CSS3, and Bootstrap.
* Developed user specific Highlights (dashboard menu) section, Home Page, Admin home page, user module using Spring framework, Hibernate ORM module, Spring Core Module, XML, JSP and XSLT.
* Worked on Web Services using Java API for XML, JSON Services (JAX\_RS) and worked on the build, deploying RESTful web services.
* Worked in a CI/CD environment with Jenkins, Maven, Ansible, AWS and Terraform.
* Expertise in designing and developing web and mobile applications using HTML 5, CSS3, Less, Sass, JavaScript, jQuery, NodeJS, AngularJS.
* Designed dynamic and browser compatible pages using HTML5, CSS3, jQuery.js and Vue.js and Laravel.
* Developed code to call the web service/APIs to fetch the data and populate on the UI using jQuery/AJAX and Vue.js/AJAX.
* Used Spring Boot to modularized code and implemented Rest API's using Spring Rest and integrated Swagger API for documentation.
* Worked on **Google cloud platform** (**GCP**) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager. Developing application design guidance and consultation, utilizing a thorough understanding of applicable technology, tools, and existing designs.
* Used AngularJS and Handlebars.js framework where data from backend is stored in model and populated it to UI.
* Developed stored procedures and triggers using PL/SQL to calculate and update the tables to implement business logic using Oracle database.
* Expertise in designing and developing Web-centric applications using HTML5, CSS3, Java Applets, JavaScript, XML, XSD, JSON, Ajax, jQuery, Bootstrap, AngularJS, NodeJS, ReactJS, Tag Libraries, Google Web Toolkit (GWT) and Custom Tags.
* Involved in build and deployment of Microservices with Jenkins.
* Conducted code review session at the end of the sprint and be the point of contact for code quality.
* Created computing and data resources on AWS using EC2.
* Deployed containers and Microservices in AWS using EC2 Container Services. Designed, configured and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.
* Implemented the Account Management Microservice that used Spring Data to implement a JPA and Spring Rest to provide a Restful Interface based on Spring Boot application.
* Wrote several Playbooks and created various roles for applications using Ansible and deployed the Applications/Services on the client hosts.
* Worked with OTT platform in spring cloud for service registration and discovery and spring configuration. Used HTML5, CSS3, Vue.js and also the internal framework components to build the presentation layer for the application
* Integrated Ansible to manage all existing servers and automate the build/configurations of new Servers
* Used several Ansible modules which include scripting (bash, command), cloud modules,
* Used Tomcat server for the application development and Utilized JIRA for task scheduling, quality control activities like defect tracking and fixing.
* Developed test suites in Selenium WebDriver (Java) with TestNG framework in Eclipse IDE for regression and sanity testing.
* Build the application using Maven and used Jenkins for continuous integration.
* Writing complex SQL queries, using object-relational mapping libraries (iBATIS/Hibernate/Toplink) and MVC frameworks (Spring MVC/Struts 2) as well as building and consuming SOAP and REST services

**Environment:** Java 8.0, REST, Spring, AWS, Struts, spring cloud,GCP, JSF, EJB, jQuery, AJAX, Angular 4/6, Bootstrap, JSON, Toad, IBM Websphere Application Server 7.x, Spring Boot, Docker, React JS, SQL,Karma, VUE JS Server, DB2, Clear Case, Selenium, UM L, JSP, JIRA, Jenkins, Microservices, Agile, Git, and Junit

**Client: DTCC, New Jersey, USA Mar 2021 – Jan 2022**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Understanding the business requirement provided by business analysts and developing code according to the standards of the enterprise application.
* Analyzing the java code and implementing the new service using RESTFul API which can populate data in enterprise application UI.
* Worked in container based technologies like Docker, Kubernetes and Openshift.
* Create publisher and consumer event services by spring events using Spring Framework.
* Implementing the new java processor methods to process the large sets of data through XML received through SSIS.
* Gitlab, Docker and kubernetes for CI/CD on microservices and deploying to AWS Cloud.
* Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in Angular 7.
* Upgraded the UI screens in the application to single page UI using Angular 7, HTML5 and CSS3.
* Developed Puppet Config for CI/CD code deployments.
* Developed REST Web services using CXF to perform transactions from front end to our backend applications, the response is sent in JSON formats based on the use cases.
* Used Docker for containerizing, kubernetes for managing containers and GitLab.
* Migrated the app from pivotal TC server to Tomcat server. Migrate the version control from AccuRev to GitHub.
* Involved in VeraCode Scan and Mitigation/Remediation. Used JUnit for testing the related services. .
* Creating message Driven Beans using Enterprise Java Beans (EJB) to process input XML files.
* Creating JMS (Java Messaging Service) MQ listeners to receive and send XMLs.
* Implemented Spring Bean Factory using IOC Configured Bean properties using dependency injection.
* Worked on Kafka Backup Index and in-depth knowledge of Apache Cassandra.
* Worked on ETL Data warehousing experience using Informatica Power Center 10.x, 9.x, 8.x (Source Analyzer, Mapping Designer, Mapplet Designer, Transformations Designer, Warehouse Designer, Repository Manager, and Workflow Manager/ Server Manager).
* Deployed Spring Boot based microservices Docker and Confidential EC2 container using AWS admin console.
* Worked extensively with data migration, Cleansing, Extraction, Transformation and Loading of data from multiple sources to Data Warehouse.
* Created dynamic web pages using AngularJS framework. Worked on two-way, one-way data binding, built-in components and developed single page applications using Angular 7.
* Extensively used various Spring Framework modules like MVC, Dependency Injection (IOC), Auto Wiring, Spring Security and AOP.
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools and staged virtual environments using Docker and Vagrant.
* Created and injected spring services, spring controllers and DAOs to achieve dependency injection and to wire objects of business classes.
* Used Angular 7 as the development framework to build a single-page application.
* Developed a Build script as a batch file and also to synch the repo to CDC Gitlab.
* Developed POSTMAN Script for testing the Rest endpoints
* Building and deploying the enterprise application ear into IBM WebSphere Application Server to run the web application the IBM RAD.
* Authenticating Users and to provide the security to **RestFul** web services.
* Expertise on entire Intranet and Internet applications using Web and Application servers like TOMCAT and WEBSPHERE.
* Created various MongoDB collections and wrote services to store and retrieve user data from for the application on devices and used Mongoose API in order to access the MongoDB from NodeJS.
* Refactoring the JavaScript, XHTML, JSF, Prime faces code for the better GUI of the applications.
* Developing code to call the stored procedures through the java process and access the data from tables using hibernate ORM.
* Worked on Docker container snapshots, attaching to the running container, removing images, managing containers
* Developing queries using PL/SQL and maintaining tables in SQL and Oracle Servers.
* Code reviewing to meet the application standards.
* Checking in the code into SVN using commands and deploying into the WebSphere application server (WAS) using BART.
* Developing Microservices using Java 8 and Spring Boot framework in agile methodology.
* Developing Restful service endpoints using Spring MVC and exposed services via swagger documentation.
* Work experience on application servers like IBM WebSphere Application Server, Web Logic, Apache Tomcat web server and JBoss.
* Used Bitbucket Git to store and maintain source code.
* Worked on build and deploy tools like Jenkins, Maven and Ant.
* Experienced in using Hibernate framework in interaction with the RDBMS.
* Developed Entity Beans as Bean Managed Persistence Entity Beans and used JDBC to connect to backend database DB2.
* Involved in analysis, specification, design, implementation, documentation and testing phases of Software Development Life Cycle (SDLC) and used Agile methodology (SCRUM) for developing application.
* Experience in integrating Microservices Architecture with Spring Boot and Docker.
* Supporting the production by fixing the issues in the live application.
* Attending the grooming sessions conducted by scrum master with team to discuss the user stories.
* Attending the sprint planning to discuss about the next sprint goals with the team.
* Attending the staff meetings with team conducted by manager.
* Actively presenting the demos of the user stories completed.
* Prepared JUnit and Integration test cases and integrated with Jenkins.
* Used JIRA for writing user stories and raising defects in a defined sprint.
* Updating the tasks and tracking the progress of user stories in rally Kanban board.

**Environment**: Java 8, HTML5, CSS3, JSP, JSTL, jQuery, XHTML, DHTML, Angular 7, XML, XSL, JDBC, Spring MVC, Spring Boot, Spring Security, Spring Forms, Kafka, Spring Tool Suite, Service Now, Cisco Jabber, WebEx, Git, Maven, Jenkins, Nexus, Apache Tomcat, LDAP, OKTA, Contrast Security, Mockito framework (JUNIT), Tiles, Spring Tool Suite, TOAD, MongoDB, Junit, Mockito, JIRA,Rally.

**Client: Morgan Stanley, New York, USA Mar 2020 – Mar 2021**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in Requirements gathering, Analysis and Design of the application.
* Created use case diagrams, class diagrams and sequence diagrams using Rational Rose.
* Designed and developed web interfaces using MVC Architecture and Spring Framework.
* Implemented Spring Framework for dependency injection to inject appropriate class objects depending on the source of the application process.
* Developed application using Spring MVC and AJAX on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
* Developed views and controllers for client and manager modules using Spring MVC and Spring Core.
* Used Spring Security for securing the web tier Access.
* Developed user interfaces using JSP, AJAX, XHTML, CSS, and JavaScript.
* Designed the application in such a manner to have code reusability.
* Extensive client side / server-side validation scripts are written in JavaScript and AJAX.
* Used SVN as the version controller.
* Implemented log4j for checking application logs.
* Involved in Unit and Integration Testing after each development Life cycle.
* Deployed application in WebSphere application server in pre-production environments.

**Environment**: JAVA 1.7, J2EE 5(Servlets 2.4, JSP 2.0), spring, Hibernate 3.0, Eclipse, HTML, CSS, XML,

JavaScript, AJAX, JUnit, WebSphere, SVN, DB2

**Client: CrowdStrike Sunnyvale, CA July 2018 – Feb 2020 Role: Web Application Developer**

**Responsibilities:**

* Designed, documented and developed Microservices from the monolithic application using Java, Spring, Spring MVC, JPA and MongoDB
* Used Swagger to document the APIs
* Developed front end pages using HTML, CSS, Bootstrap and Angular
* Used Spring MVC and SpringBoot to develop the Restful Microservices
* Used DAO and DTO model to create the entities and data models
* Used Mongo Repository and MongoDB for implementing the persistence layers
* Developed Unit tests using Junit and Mockito
* Carried out static code analysis with SonarQube and used Jacoco for code coverage
* Worked in Agile environment with daily scrum meetings and sprint planning.
* Maintained and developed Docker images for a tech stack including Kafka, Apache, and several in house written **Java** services running in **Google Cloud Platform** (**GCP**) on Kubernetes.
* Worked in bi-weekly sprints with tasks and ticketing managed using JIRA
* Developed the integration tests using Postman collections and executed these tests in Jenkins using the Newman
* Used Oracle 10g as the backend database using UNIX OS. Involved in the design of the database schema and development of Triggers and Stored Procedures
* Wrote Dockerfiles for containerizing different Micro Services
* Implemented the container orchestration using AWS ECS
* Wrote Jenkinsfiles to facilitate Continuous Integration and Continuous Delivery(CI/CD)
* Used Git, Github for source control
* Configured the CI/CD pipeline for Microservice using Git, Jenkins, Docker, AWS ECR, AWS ECS, AWS CLI
* Wrote Shell scripts to automate manipulation and loading of relevant helper files

**Environment**: Java 1.8, Spring, Spring Boot, Hibernate, Swagger, JUnit, Mockito, SpotBugs, Jacoco, CheckStyle, PMD, Unix Shell Script, Maven, Apache Tomcat, Postman, MongoDB, Docker, GCP, Amazon ECR, Amazon ECS, Jenkins, Agile, Git

**Client: Kroger Inc, Blue Ash, Oh Jan 2017 – June 2018**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in the complete project life cycle including design, development and implementation
* Used SpringBoot to develop the RESTful endpoints
* Added features with latest business and system requirements as needed
* Used Spring framework to implement the business logic and additional features in the backend
* Used core Java concepts like Exception Handling and Collections API to implement new features and enhancements
* Used ORM concepts such as JPA, JDBC, Hibernate and Spring Data JPA to implement entities and the data models
* Used DAO model for implementing the persistence layer
* Used MySQL for database storage
* Used Junit and Mockito for integration testing
* Used Postman for end to end integration testing of the REST endpoints
* Implemented application logging using Log4j
* Wrote Jenkins file to configure the CI/CD pipeline
* Used Git and GitHub for SCM, Maven for build, Jenkins for CI&CD

**Environment**: Java, Spring, Hibernate, DAO, Unix Shell Script, JDBC, MySQL, HTML, JSP, JavaScript, Log4j, SLF4J, Maven, GitHub, Jenkins, MySQL Server, Eclipse

**Client: Gilead Sciences, Foster city, CA Nov 2014 – Nov 2016**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Designed and developed the application using the MVC architecture.
* Developed the connectivity to the DB using JDBC.
* Developed the application using JMS for asynchronous messaging.
* Developed the front-end using swing, DHTML, AJAX, and JSP pages.
* Deployed the JSF Framework on IBM WebSphere Application Server
* Developed the Action classes for handling the requests from the JSP pages.
* Developed Java Bean components to communicate with Data Base.
* Used MVC, Value Objects, Service Locator, and Session Façade Design Patterns.
* Developed XML Schemas and DOM parser for all the XML documents used for data transfer also developed XSLT code for them.
* Developed back end communication using JDBC.
* Developed and Deployed the EJB’S in Web Logic application server.
* Performed the Unit testing of the application.
* Resolved bugs coming from the System and Integration Testing.
* Used Object/Relational mapping tool Hibernate to achieve object persistency.
* Worked on the design documentation and functional specification documentation.
* Implemented JUnit testing.

**Environment:** Java, J2EE, Java Beans, struts, EJB, JSF, JMS, Servlets, JavaScript, CSS, AJAX, DHTML, JSP, Unix, XML, XSLT, Hibernate, Web sphere, CVS, JUnit, Oracle, Eclipse

**Education:** B. tech from GTU, India in May 2013