**R. Ravichandran**

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**Professional Summary:**

* Accomplished IT Software Professional with nearly 13+ years of expertise specializing in the design and development of robust Enterprise Applications, Web Applications, Desktop Applications and Web Services within the Java/J2EE and related technology landscape.
* Expertise in Core Java and Server-Side development with Spring Framework
* Experience in front end development with Angular, HTML, CSS, JavaScript, Bootstrap
* Working knowledge in Agile Methodology
* Experience in creating Functional and Technical Design documents adhering to Object Oriented concepts and using design patterns like Singleton, Factory, Chain of Responsibility, Decorator, Façade
* Experience in Web Services (REST API) development using Spring Boot
* Experience in providing Microservices solutions and building Resilient, Reliable, Fault Tolerant, Highly Available fine grained systems using technologies Docker container, Kubernetes, Jenkins, Git.
* Experience in creating Docker images, Containers, Push/Pull and integrating with Spring Boot
* Experience in writing SQL queries with major relational databases Oracle, MS SQL Server, PostgreSQL
* Experience in NoSQL Databases Elastic Search
* Experience in Object Relational Mapping Frameworks Spring Data, Hibernate, JPA
* Excellent Project implementation skills using Java, Microservices, REST API, Spring Boot, Spring Core, Spring IOC, Spring AOP, Spring MVC, Spring Cloud, Spring Data JPA, Spring Security, Spring Batch, Spring Reactive Web, Hibernate, Docker, Kubernetes, Cloud, Design Patterns, Git, Maven, and Jenkins.
* Working experience in Multi-Threading and Java8 features like Streams, Parallel Streams, Lambdas, Functional Interfaces, Default Methods, Consumer, Predicate, Supplier
* Experience in writing unit tests and integration tests using Junit and Mockito libraries.
* Good knowledge in streaming services like Apache Kafka and creating topics, producers, and consumers using Spring Boot application for API integration and persistent messaging.
* Working experience on AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, RDS, ELB, Cloud Watch, Cloud Trail, Cloud Formation, Auto scaling, IAM, S3, R53
* Aws Deployment experience in ECS and ECR
* Working experience in PCF Cloud
* Utilized Log4j2 logging API framework for logging Java applications for debugging and
* monitoring purposes.
* Experience in version controllers GitHub and Svn
* Experience in IDE tools such as IntelliJ IDEA, PyCharm, Eclipse, Visual Studio
* Demonstrated a strong command of front-end development principles, consistently delivering high-quality code and ensuring optimal user experiences across platforms.
* Proven ability to troubleshoot and debug code efficiently, resulting in the swift resolution of issues and improved application performance.
* Development of new features, bug fixing, debugging, complete maintenance of product including
* Code building, fix creation, documentation. Extensive experience in Java Production Support.

**Education:**

B.Tech from J.N.T.University in 2007.

**Technical Skills:**

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| --- | --- |
| **Front End Technologies** | Angular, Javascript, HTML, CSS |
| **Languages** | Java, Python |
| **J2EE Technologies** | Servlets, JSP, JDBC, JMS, MDB |
| **Framework** | Springboot, SpringCloud, REST Services, Struts, Ibatis, Hibernate, JPA, Oauth 2.0, JWT |
| **DataBase** | SQL Server, Oracle, PostgreSQL |
| **Servers** | Aws ,PCF Cloud ,Weblogic, Jboss, Webshere |
| **IDE** | Eclipse, Intellij, Visual Studio |
| **Tools** | Maven, Jenkins, UCD, ADO, Junit, Mockito, Jira,Rally, WinScp, Putty |
| **CVS** | GIT, SVN, Gitlab |

# CERTIFICATIONS

* AWS Developer Associate
* AWS Architect Associate
* Oracle Java Developer

**#Project Name: ESG Data Reporting**

**Client:** S&P Global USA,Ihs Markit

**Duration:** Jan 2022 to June 2024

**Role: Lead Java Developer**

**Description:** An ESG data collection process plays an essential role in operationalizing sustainability initiatives. The right data can show where the enterprise is today and help identify opportunities for improvement. Formalizing the data collection process helps ensure the organization complies with climate disclosure regulations and other ESG reporting needs.

Environmental aspects include energy usage, water consumption and waste output. An environmental program might involve collecting emission data between the companies.

Social factors include living wages and gender pay gaps, training investment, employee demographics and other information commonly contained in HR systems.

Governance programs might focus on financial systems and contracts. This data includes executive compensation, board diversity and data privacy protections.

**Role& Contributions:**

* Consistently create optimal design adhering to architectural best practices.
* Implement RESTful Microservices using Spring Boot, Spring Web and use JSON objects for communication.
* Connected Oracle DB with AWS RDS
* Created Angular components.
* Worked on UI changes using Boot strap css and Angular
* Implement Data Access layer using Spring Data JPA to persist to Oracle Database and utilize features inheritance, lazy loading, and transactions.
* Implement OAUTH using Spring Security authorize users from Angular UI
* Develop microservices-based independent APIs using REST to connect with multiple databases

like PostgresSQL and Elastic Search

* Provide documentation using Swagger UI (Open API)
* Utilize Java8 features like Parallel Streams, Lambdas, functional interfaces, and filters.
* Use Spring Boot Actuator to monitor and manage the application in the production environment.
* Oversee progress of the development team to ensure consistency with initial design on a regular basis via Daily, Weekly, and fortnightly Scrum ceremonies.
* Perform analysis of failures, propose design changes, and encourage operational improvements.
* Attending Agile scrum ceremonies
* Implemented a common code for storing and retrieving data from ASW S2 using aws sdk.
* Monitored the logs using Aws Cloud Watch

**Environment**: Java 17, Spring MVC, Spring Boot, Spring Data JPA, Spring Security, Spring Batch, Postgres, AWS, Angular 8, Javascript, Html, CSS, Docker container, K8S, EC2, VPC, EBS, AMI, RDS, ELB, Cloud Watch, Cloud Trail, Cloud Formation, Auto scaling, IAM, S3, R53,

**#Project Name: SCP**

Client: HCSC USA.

Role: Java Developer

Duration: June 2019 to Dec 2021

**Description:** SCP (Shared Claim processing) is a tool needed to communicate via a single source of communication to resolve a B2 transaction related to claim for labor/ Fund members. This tool

will also help in eliminate the impacts to National Program Performance score board.

**Role& Contributions:**

* Have designed the Rest webservice using JSON, Spring Integration and Hibernate
* Have worked on Authentication and Authorization process using Site minder
* Using Spring framework components for processing the messages
* Have created the multiple webservice client components to invoke the provider’s services
* Implemented UI framework based on Spring boot and Angular
* Have created Utilities to post JMS and MQ messages for Automation.
* Worked on the File Transmission from HCSC network to other networks using Axway
* Have created a Utility classes to handle all file parsing
* Implemented config server using spring cloud config
* Created UI Grids using Angular
* Coordinated with Devops Team to create pipelines
* Triaged Production issues and provide clarification to customers
* Created new micro services components
* Migrated a Struts application to Spring boot as deployed as Micro service.
* Lead the development Team for timely delivery and solving their impediments

**Environment**: Java 8, Spring MVC, Spring Boot, Spring Data JPA, Spring Security, Spring Cloud, SQL Server, PCF, Angular, Java script, Html, Css, Build packs, PCF Cloud, Vault, Kibana

**#Project Name: Under Writer Rating**

Client: Kaiser Permanente, USA.

Role: Lead Java Developer

Duration: Jan 2017 to May 2019

**Description:** UWC was in excel tool to overwrite the premium values for respective users. We divided the excel into multiple restful webservices and created a new UI tool to replace the existing Excel tool.

**Role& Contributions:**

* Designed an End point for various Service components
* Conducting the reviews and release planning.
* Conducting scrum ceremonies
* Encouraging and coaching the Team on Agile methodology
* Dividing and grouping multiple services based on SOA
* Lead the Development team and trained in new skills

**Environment**: Java, Spring, SpringORM, Spring Integration, DB2, IBM WebSphere , JSP, Java script, HTML, CSS

**#Project Name: AFLS**

Client: AirFrane KLM, France.

Role: Java Developer

Duration: June 2013 to Dec 2016

**Description:** Air Cargo reservation management is a proven industry solution that helps freight and logistics companies achieve high performance in freight reservation process by integrating core booking with inventory management capabilities. It ensures real time access to inventory during booking and allows the bookings to be evaluated against identified constraints like profitability and capacity. The solution also helps freight and logistics entities collaborate in the multi-polar business world and accelerate post-merger integration of key finance, business intelligence and other management systems.

**Role& Contributions:**

* Involved in designing interface documents.
* Involved in creating/updating interface mapping elements
* Participated in ARB for technical and SRB for functional.
* Involved in status call with clients and onshore teams.
* Involved providing estimates for CR’s.
* Created Junit tests
* Involved in triaging Production incidents and giving the clarification.

**Environment**: Java, Spring, JMS Queue, JMS Topic, Spring Integration, Oracle, Web logic, JSP, Java script, Html, CSS

**#Project Name: OPUS**

Client: CenturyLink, USA.

Role: Software Developer

Duration: June 2012 to Feb 2013

**Description:** OPUS (Order processing Utility service) instance is the middle tiercomponent of the Billing Adjustment Transaction Center (BATC). This application encompasses all business rules for creating and approving billing adjustment tickets. ODM, eBill and Networx Portal are the clients that use this middle-tier application for creating and updating adjustment tickets. OPUS-BATC hosts a web service that is called by the NETWORX, EPWF and SFA for creating and updating Adjustment tickets. Once we receive the auto approve indicator equal to true ticket will be created and approved if the indicator is false ticket will be created. Once ticket is approved OPUS BATC will call the Latis module for billing adjustments .Once the ticket is created OPUS will send the response back to the calling applications with the ticket Id.

**Role& Contributions:**

* Involved in creating sample request and response XML
* Involved in coding of Webmethods.
* Involved in Bug Tracking.
* Involved in Testing.
* Preparing the LLD .
* Analyzed Prod incidents and Fix bugs

**Environment**: Java, Spring, Soap webservice, Spring Integration, Oracle, Webservice, JSP, Java script,Html,Css

**#Project Name: BIDV**

**Client**: BIDV Bank Vietnam

Role: Software Developer

**Duration**: Feb 2010 to Nov 2011

**Description:**

This is a web based banking system. Where the Bank User can view his

account summary, finance Summary, Deposit Summary, Credit cards Summary Online. He can manage his Fund Transfers through the Transfers module, Bank User can pay the Utility Bill Payments (For Allowable Service Providers). Bank User can manage his Credit Card Details. All the Transactions or online Payments. even User can change his password and the contact Details through internet. The Bank user can send various Request like Cheque Book request, Apply for new Debit/Credit cards, Report lost or Stolen card, Apply for Mobile Banking. For Password Authentication and OTP Purposes We had used third Party system.

**Role& Contributions:**

* Developed the Proto for the Application
* Involved in coding presentation layer components
* Involved in Bug Tracking.
* Involved in Testing.
* Preparing the Program Specification Document
* Writing Junit Test Cases.
* Involved in EHT Testing and fixing the Issues.

**Environment**: Java, Struts, Soap webservice, Oracle, Weblogic , JSP, Javascript, Html, Css