**Kavitha V**

**PROFESSIONAL SUMMARY**

* 10+ years of experience as a software professional in IT industry involving analysis, design, coding, development, unit testing, integration testing, maintenance, troubleshooting, documentation, post Production support using Waterfall/Agile methodology.
* **7 years** recent experience in the areas of **Java, J2EE, Rest Services, Spring, Spring Boot, Hibernate, Oracle, Mysql , Cassandra, AWS Dynamo DB**
* **Good knowledge of SNS/SQS and Dynamo DB in AWS.**
* **Implemented and deploy application components in the AWS EKS cluster.**
* **Working with AWS Lambda function and Code Pipeline to create an end-to-end pipeline that**

**fetches the application code from CodeCommit, CodeBuild and CodeDeploy.**

* Functional expertise in Banking, Finance, Credit Card, Merchant Establishments, Security, Voice Automated

Technologies, Telecommunication and Health Care Industry.

* Restful **Webservices, JDBC, JSON, JUnit, Maven, HTML, JavaScript**, **CSS, AJAX, React.**
* Expertise in using different modules of Spring like Spring MVC, Spring IOC, Spring DAO, Spring Core, Spring JDBC template, Spring Data JPA
* Proficient in Design Patterns, data structures and algorithms with solid programming/debugging and troubleshooting skills
* Extensive experience in developing web pages quickly and effectively using **HTML5,CSS3,JavaScript i**n making web pages cross browser compatible.
* Experience in developing **MicroServices** with **Spring Boot and**  REST WebServices, AWS Cloud
* Expertise in configuring and implementing **ORM** by defining entities and mappings using Hibernate
* Expertise in configuring and implementing transaction management using Spring (Data source/JPA)
* Experience in writing **SQL queries, PL/SQL**, functions, triggers, stored procedures, exception handlers, cursors, triggers, materialized views, Explain Plan, Ref Cursors, Constraints, Indexes, Partitions, Views, Inline Views.
* Worked on RDBMS like Oracle, MySQL and Cassandra, AWS Dynamo DB
* Good working knowledge on **Log4j** and **JUnit**.
* Used Kafka for more efficient real time event processing.
* Knowledge in Deploying Applications in Weblogic and Apache Tomcat Servers
* Experience in build tools like **Maven** using them with continuous integration tools like Jenkins to create and publish application artifacts
* Created Jenkins jobs and pipelines and integrated python scripts to communicate with AWS resources
* Good experience on version management tools SVN and GIT.

**TECHNICAL SKILLS**

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| --- | --- |
| **Operating System** | Microsoft Windows, Linux, Unix |
| **Programming Languages** | Java, J2EE, Python, JavaScript, PL/SQL |
| **RDBMS** | Oracle 11G/12c/19c, MySQL |
| **NoSQL** | Cassandra, AWS DDB |
| **Web DevelopmentTechnologies** | HTML5, JavaScript, CSS3, JSON |
| **Frameworks** | Spring, Hibernate, Restful Webservices , React, Spring Boot |
| **Testing Frameworks** | JUNIT |
| **Application Servers** | Weblogic, Tomcat |
| **Cloud** | AWS, AWS EC2, AWS DDB, AWS SQS |
| **Version Control** | SVN, GIT, SCME |
| **Big Data Ecosystem** | HDFS, Hive, Sqoop, Apache Kafka |
| **IDE** | Eclipse, STS, TOAD, Oracle SQL Developer, MySQL workbench |

**EDUCATION**

* Graduated BE(equivalent to BS)in Information Technology, 2003,Bharathiar University,Coimbatore, IndiaGPA (3.8)
* Java Programming – New York University SPS (2014)

CERTIFICATIONS

* Sun certified Solaris 9 Administrator – Level I certified
* Oracle Certification - OCA Paper I (SQL 9i)
* PL/SQL brainbench certified and cleared ProveIt Test.

**PROFESSIONAL EXPERIENCE**

**American Professionals Inc**

**Client: - Fidelity Investments, Jersey City,NJ(Hybrid)**

**Java Developer Sep ’22- Nov ’23**

FAMS Reporting is for producing Proposal reports. Reporting system has two ways to source proposal data for Reports. 1.GAA workspace sends proposal in Kafka Queue after saving Proposal in Portfolio Database. Kafka Listener in the Reporting Application for Proposal Queue to get the proposal message from queue.2. Reporting system provides API to create proposal data in reporting database for given proposal ids.

Responsibilities:

* Co-ordinating with Database, Dev-ops and architect for implementing and deploying the solution
* Implemented repository class and Entity classes using Transactional Annotations in JPA.
* Developed the Service, Repository and DAO layer to Save Proposals to the Reporting database using Spring Data JPA. Reporting Service calls the PI service to retrieve Proposal and save data in Reporting DB
* Used Rest based service architecture with Spring Boot services interacting with Apache Kafka message brokers.
* Creating integration tests using Postman for Spring Boot application, Load test using JMeter.
* Build and deploy the application using CodePipeline service on AWS
* REST API development for Security Instrument and Portfolio Characteristics

Environment: Spring Boot 2.x, Java 8, Rest, Spring Data, Junit, Mockito, json, yaml, swagger, kafka, maven, Oracle, Jenkins, Sonar, Datadog, Amazon EC2, Docker

**Adoresoft Corporation**

**Client: - Verizon, Piscataway, NJ (Hybrid)**

**Java Developer Sep’21 – Aug’22**

CCRS is a Finance application that is used to calculate commissions for Wireless.There are 2 main divisions- Employee/Direct & Agent/Indirect. Employee/Direct - Pays commissions for the employees of Verizon and the three channels: Retail, Telesales, B2B. Agent/Indirect - CCRS API expose the RESTful service interfaces for the application partners address the business needs. Commission Calculation and Reporting System calculates the commission for the prior month sales that Verizon get through different channels. eg POS(Point of Sales)

Responsibilities:

* Involved in Analysis, Design, Coding and testing the application.
* Involved in preparation of unit test cases document.
* Involved in Writing the DAO Classes using Spring Data JPA
* Implemented spring service layer with dependency, DAO and annotations
* Design and implemented Spring boot Application from Rest Services
* Involved in CI/CD Jenkins Deployment in AWS EC2 instance

**Technologies:**

**Spring Boot 2.x,Java, JIRA, AWS , Docker, Cloud Formation, Oracle 12c**

**Adoresoft Corporation**

**Client:- DTCC (Depository Trust & Clearing Corporation), Jersey City, NJ(Remote)**

**Java Developer Sep’ 20 – Sep’21**

**The Depository Trust & Clearing Corporation** (**DTCC)** is an American post-trade financial services company providing clearing and settlement services to the financial markets. It performs the exchange of securities on behalf of buyers and sellers and functions as a central securities depository by providing central custody of securities. Reconciliation Capability project is a part of Strategic Initiative to establish Minimum Viable Product(MVP) of Enterprise-wide Reconciliation solution. The project objective is to implement the Foundational Reconciliation Capability of Master Reference Data(MRD) which enables the application to reconcile source and target intra-region datasets on their completeness and accuracy.

* Worked on various APIs SendOps, Accuracy, ExecuteRC, GetStatus, BCD Producer .
* Recon API Layer will be a Restful API service that serves purpose of sending data into the recon database to be paired/matched for recon reports and write complicated SQL logic for ReconCompleteness API, Recon Accuracy API, Recon Status API
* Created SDK wrapper & consumer for these apis.
* Worked on shell & batch scripts as well to call these apis from command line.
* Contributed in writing Junits & Mockito.
* Developed multiple RESTful Web Services using Spring Boot.
* Validated the built API in the browser using Postman and Swagger API.
* Implemented design patterns Factory, Singleton, Builder, MVC
* Used Spring Core Annotations for Spring Dependency Injection and Spring MVC for building REST APIs.
* Used build tools Maven to build the application and deployed on the Tomcat Application Server.
* Used Jenkins for the automatic build process and used for integration testing and deploying software.
* Used Core Java Collections, Exception Handling, Serialization, I/O and Java 8 features like Lambda Expressions, Stream API, Bulk data operations on Collections which would increase performance of application
* Developed Spring boot application with microservices and deployed it into AWS using EC2 instances.
* Designed and implemented application using Spring Boot, Spring JDBC, JNDI
* Coding in PL/SQL, SQL, UNIX, to write efficient, complex queries against very large data sets using SQL Developer
* Deployed the war files in AWS EC2 instances.

**Technologies:** JAVA 8, Spring Boot, Jenkins, Oracle, Spring JDBC, Unix, Github, AWS RDS,AWS EC2

**Adoresoft Corporation**

**Client:- Disney Streaming Services, Manhattan, NYC**

**Java Developer May’18 – Sep’20**

Disney Streaming Services is a global leader in delivering direct-to-consumer live and on demand entertainment. Disney Streaming Services is a leading licensee of OTT sports and eSports rights, operating some of the favorite streaming sports services,MLB, including NHL, EuroSports, PGA Tour, and MLS and forthcoming ESPN-branded multi-sport video streaming services. Development and Enhancement of Disney OTT platform along with Eurosport and ESPN Development and Enhancement of Disney OTT platform along with Eurosport and ESPN. Built key E-commerce services for Disney+/ESPN+ streaming service that scale to millions of users.

**Responsibilities**

* Working on different micro services to support commerce workflow
* Coordinating with different team to integrate ecommerce system with OTT eco system
* Involve in analysis, design & development and Implementation / rollout activities of various CR’s.
* Analyze and support search by SKU and category for price calculation
* Develop and maintain the account management module for customers in which they can view their subscriptions, update their payment information, upgrade subscriptions, cancel their existing subscriptions, update their email id etc.
* Developed business components using Java Objects, Core Java, Multi-Threading and Collections.
* Development of Spring Boot application with Microservices.
* Designed and developed SQL scripts for creation of tables in MySQL for different modules.
* Strong experience in implementing Service oriented architecture and Web Services using RESTFUL API's.
* Used Spring Core Annotations for Spring Dependency Injection and Spring Boot for building REST APIs.
* Used Spring Data JPA with entity beans for interacting persistence layer for CRUD operations.
* Used JPA to persist the discovery results in the MySQL database.
* Have written the functional JUNIT test cases which have caught most of the functional issues in the
* development phase.
* Create and configured the continuous delivery pipelines for deploying microservices and lambda
* functions using Jenkins. Log aggregation into Elastic Logstash Kibana stack
* Configure Deployment stacks in AWS cloud formation to deploy application in AWS.

**Technologies:** Java 1.8, Spring, Rest Webservices, MySql, ,JPA, Spring Data, Lombak, Redis cache, Logstash, Kibana, AWS, MYSQL, Oracle, Eclipse, Github, Tomcat, Junit, Jira, Log4j, Apache JMeter,AWS SQS, AWS DDB

**Adoresoft Corporation**

**Client:- GE Water and Process Technologies, Trevose, PA(Now Suez)** **Mar’17 – April ’18**

**Java Developer**

**Insight Remote Monitoring and Diagnosis Project**

Insight, GE’s cloud based knowledge management platform, provides the means to capture and translate data into valuable information. Insight provides Analytics, Early Detection, Asset Optimization, Safety, Productivity, Collaboration and it features Simplicity, Graphics and Reports, Data Sources. The Application enables remote monitoring and diagnostics of critical assets, as a service to GE’s customers. It will help the customer to achieve asset optimization and lower the operating costs of refineries, power plants, food and beverage plants, etc. This is done by remotely collecting data and enabling GE customers to use data visualization and analytics to monitor their asset performance. It enables GE customers to measure conditions, configure alarms/alerts for events and illustrate trends to help prevent unplanned maintenance. The platform is used to diagnose problems and proactively identify improvement opportunities.

**Responsibilities:**

* Developing Java services to read Time series data and to export multiple years of worth data from Time series data base creating and consuming RESTful web services
* Writing SQL queries to export business requested reports which is currently not available from UI
* Writing Java programs to export data/report from Cassandra based on business requirement, java web services to pull data from Cassandra
* Used Log4j for logging and debugging
* Developed Oracle Stored procedures/SQL and creating/modifying Database Objects.
* Developed Restful Webservice using Spring Web MVC
* Invoked Rest API's to fetch the data from backend as JSON response and parse it on the UI
* Designing data models in Cassandra and working with Cassandra Query Language(CQL)
* Used Dependency Injection feature for wiring and defined dependencies using constructor arguments.
* Created Hibernate persistence and configuration files for ORM implementation
* Written POJO Classes, .hbm files for Hibernate Object-To-Relational Mapping.
* Used Hibernate with entity beans for interacting persistence layer for CRUD operations

**Technologies :** Java 1.8/J2EE, Oracle, SQL, PL/SQL, HTML5, CSS3, JavaScript, Angular 1/2, JIRA, Proficiency Historian, Cassandra, Rest, Kafka, Zookeeper, Eclipse, Git, SQLDeveloper, Spring boot 1.2.x, Cloud Foundry, Maven, Postman

**Adoresoft Corporation**

**Client:- Credit Suisse , Midtown Manhattan, NYC Feb’15 – Feb’17**

**Java Developer**

**Basel III Regulatory Reporting Project**

COMET is a system implements **BASEL III** standard on regulatory reporting which calculates capital charges on collateralized/uncollateralized transactions, which also calculates Net EAD and CAD, Risk weighted Assets (RWA) for the trades level data to calculate the risk factor based on norms Basel I, II, III based on requirements of Authorities like FSA, FINMA. The main objective is to deliver strategic solution for this process reducing the processing time, reduction in Operational Risk and for Regulatory Compliance. This project, basically follows two types of approach as formula and Rule based, where calculation is done by some standard methodology. The existing system of Basel II is being reused and redesigned to incorporate Basel III compliances in order to generate various reports for different types of users in bank and regulatory bodies of Europe, Switzerland and USA. Its integration between oracle data warehouse and java based reporting system. Also, Rules engine is implemented in java, which enriches and does capital calculation and optimization of data before passing to reporting systems

**Responsibilities:**

* Worked on implementing Inhouse rules engine which is used for implementing different functionality dynamically by defining rules.
* Used Lambda and functional programming features to simplify coding.
* Used**Confluence**for Project collaboration**,** TeamCity for Continuous Integration (CI) server and JIRA for project tasks tracking
* Fish Eye & Crucible used for code review and analysis.
* **Spring JDBC** used to fetch the reports from Hadoop datastore using Hive/Impala technologies
* Boston Re and SACCR project created underlying tables to store the calculation numbers and for user to view those tables, created Operational Reports.
* Developed and consumed Rest Services using HTTP methods such as GET, POST, PUT, and Delete for user and account Rest services.
* Implemented PL/SQL queries and used Oracle stored procedures, and built-in functions to retrieve and update data from the databases.
* Used Spring DAO concept in order to interact with Database using JDBC template and **Hibernate** template.
* Developed Web Services to communicate to other modules using Rest Webservices
* Involved in working with J2EE Design patterns (Command, builder and singleton) and MVC Architecture
* Prototyped UI views with HTML, CSS3, Bootstrap, Javascript.
* Involved in working with SQL queries, functions and procedures for performing CRUD operations on database using Hibernate in Oracle 11g database.
* Designed Procedure to load user uploaded template to post comet data to misc upload table
* Package modified in order to process data from misc upload table to other presentation tables.
* Designed Package to calculate unused collaterals.
* Created **records, tables, collections**,analytical functions for improving Query performance.

**Technologies:**  Java 8.0, PL/SQL, Oracle 11g ,Impala, Sqoop, Spring, HazelCast, Rest, Angular JS, HTML5, Twitter Bootstrap, JUnit, Apache Tomcat Server 7.0, Eclipse, Oracle, Control-M, Subversion, GIT, Maven, Hue, Confluence, Team City, JIRA, Fish Eye, Crucible, Kerberos

**Adoresoft Corporation**

**Client - AT&T Labs, Middletown, NJ Aug12-Jan’15**

**Oracle Developer**

**ADOPT &Pricer –D**

ADOPT, a web based tool, is a Future Mode of Operations (FMO) application in the Advanced Sales Automation Platform (ASAP). It is used by AT&T’s Account Executives (AE) to provide the network design and price quote to its customer. It reduces the time to provide the price quote & contract to the customer by 80 %, compared to the Present Mode of Operation Flow (PMO). As many users are currently using the PCGlobes workbook, PricerD has been implemented to allow the user an easier transition. PricerD will support the design and ordering of ASE(AT&T Switched Ethernet) ports and EVCs(Ethernet Virtual Connection). The PricerD Landing Page will display a list of all solutions associated with the opportunty and will display the Solution Name and the Current Status of the solution. Sites are added to a solution, the DESIGN – PORT screen is used to design the access and transport details. The Support Request screen shows the list of all Support Requests associated with the solution. This project was fast paced and was in Agile methodology.

**Responsibilities**

* Involved in Pricer D database development for Solution, Site, Design, Price, Contract, Support Requesttabs and Pricing design.
* Created and maintained Database Objects (Tables, Views, Indexes, Sequences, Database triggers, Stored Procedures,etc)
* Used Oracle Analytic functions, Collections, REF Cursors in PL/SQL programming.
* Creating, Modifying and Monitoring the Cronjobs using Shell script
* Developed application using **Spring** Framework that leverages classical Model View Controller architecture.
* Developed data model to analyze the data requirement for the process**.**
* Web Interface is designed using J2EE, XML/SOAP, WSDL, **Web Services** and JDBC.
* Involved in writing procedures, complex queries using **PL/SQL** to extract data from database and to delete the data and to reload the data on Sybase using SQL Navigator
* Used **Hibernate** as the ORM tool to communicate with the database. Developed Hibernate DAO’s and configuration files to access Oracle database.
* Implemented Log4j for logging purposes in the application.  Developed **JUnit** tests, performed unit and functional testing and integrating the business service and UI layers
* Used Java Scripts for client side validations
* Used XMLBeans to parse the XML documents and apply XSLTfor transformations.
* Used ANT scripts to fetch, build, and deploy application to development environment.
* Created **stored procedures and triggers**, functions, sql queries, created tables, views and other database objects in the oracle database, and created JDBC to access data from O**racle.**
* Participated indesigning and development of software using agile development practices.
* Deployed the application on to **Tomcat/Weblogic** application server and configured the server to the application requirement

**Technologies:** Java, J2EE, Tomcat Application Server 7.0.23, Weblogic Server 10.3, VMWare, AJAX, XML, ANT, Spring 3.0, Hibernate 3.4.0, HTML, Agile, HPQC, IBMCQ, JDBC, DWR,HTML 5 SOAP, JavaScript, Junit 4.7, CSS, MVC, SOA,Putty, UNIX, SVN Tortoise, Shell Scripting.