**SHUBHAM HIWARE**

**Professional Summary**

* Skilled, accomplished software developer with **over 7 years of experience** in a hands-on development environment, with key involvement in all stages of the software development lifecycle specialized in **object-oriented programming** analysis with extensive full **Software Development Lifecycle (SDLC)** experience in Application Software Specifications, Design, Development, Testing and debugging, Maintenance.
* Expert in Various Agile methodologies like **SCRUM**, **Test Driven Development(TTD)**, and **Iteration methodology**, **Pair Programming**, **Agile Development & Testing** using Software Development Life Cycle.
* Experience in Core Java with a strong understanding and working knowledge of Object-Oriented Concepts like **Collections**, **Multi-Threading**, **Exception Handling**, **Inheritance**, and **Polymorphism**.
* Experienced in Development, Testing, and Deployment of enterprise applications on Windows, Linux, and UNIX platforms using IDE's such as **Eclipse**, **STS**, **NetBeans**, **IntelliJ**.
* Hands-on experience on **MVC frameworks** such as **Angular JS**, **Backbone JS**, **Ember JS**, **ReactJS**, etc.
* Experience in developing **Web-based UI’s** using **JSP**, **HTML**, **DHTML**, **CSS**, **JavaScript** (and its frameworks like JSON), **Angular 8**, **Action Script**, **DOJO**, **jQuery,** and **Ajax**.
* Good working experience with **Java 8/11** features such as **Lambda expressions**, **Default and Static methods in Interfaces, Streams API**, **Optional Class,** and **Parallel sort** in **Arrays.**
* Experience in developing applications as **Microservices** using **Spring Boot** based on **Service Oriented Architecture** (**SOA**)with **ESB (Enterprise Service Bus).**
* Experienced in producing and consuming **SOAP** and **RESTful** Web Services using **JAX-RS**, **JAX-WS, WSDL, JAX-B APIs** and implemented using **Jersey**, **Jackson,** and **Spring REST** libraries**.**
* Strong experience in building web applications using various **Spring Framework** features like **Spring Core**, **Spring MVC**, **Spring Boot**, **Spring REST**, **Spring** **IOC**, **Spring** **AOP**, **Spring Security, Spring Injection, Spring JPA Crud, Spring Context, Spring DAO, Spring ORM, Spring Batch** and **Spring Annotations.**
* Expertise in design and development of enterprise-level spring based web applications using **Spring REST,** **Hibernate, EJB, Struts, Servlets**, **JSP** for **User Interface Applications**.
* Strong experience in developing Dynamic Single Page Application (SPA) using MEAN (**Mongo, Express Angular 6** and **Node JS**) full-stack development tool kit.
* Configure and run gulp tasks in **NodeJS**runtime and handle injection, **CSS**pre-processing, minifying, test-running, and building-sync. Used **Node.js** in middleware technologies for serving HTTP requests.
* Used **Node Package Manager (NPM)** to manage or install the **Node - JS** modules like **Webpack**, **Grunt, Gulp, Browersify, Express, underscore.js, require.js, crypto.js, mongoose, and mongo.js.**
* Responsible for developing web applications using **AngularJS/Angular 6** and bootstrap hands-on experience in MVC framework using **AngularJS**, custom Directives, and Controllers.
* Experience in event streaming by using Apache **Kafka** to process payments & financial transactions, capture & analyze sensor data from IoT devices, collect & immediately react to customer interactions and orders.
* Experience with large-scale distributed systems using **JMS**, **Message Queues,** and **Spring JMS Integration**.
* Hands-on experience in using message brokers such as **IBM MQ, Active MQ**and **RabbitMQ** to store the data related to customer accounts, device readings, customer transactions and orders**.**
* Possess good knowledge of document generation using **Apache** **POI** and **I-Text** and dynamic data visualization tools like **D3.js** and **Angular Fusion Charts.**
* Proficient in handling Web and Application Services in creating Domain, configuring connection pool, JMS, deploying applications on **WebLogic, WebSphere,** **Apache Tomcat**, **JBoss** and **Glassfish**
* Well versed in querying **MySQL 5.0**, **PostgreSQL 8.0**, **Oracle 11g R2** DB - Optimizing **SQL queries**, **indexing**, **PL/SQL procedures** and **exception handling**.
* Experienced in handling all types of Version Control Systems like **SVN, CVS** and **GIT** to simultaneously store and update the code with teams in other countries**.**
* Used Maven as a built automation tool and also used Apache **ANT** as a Java library.
* Experience in debugging using implementation of **Apache Log4j** for logging and **Jira**, **GitLab**, **Bugzilla** for issue-tracking and automation tools like **Maven 3.x** and **Gradle.**
* Performed **Unit Testing, Integration Testing** and generation of test cases for web applications using **Log4J, Mockito** and used **Jasmine** for front-end testingand automation framework like **Selenium.** Also worked on various testing tools like **Mocka, Karma Junit** and **Mockito.**
* Extensive use of Use case model, use case diagrams, activity diagrams, object diagrams, component diagram, class diagrams and sequence diagrams using **MS VISIO** and **RAD** **7.5/8.0**
* Used **Jenkins** pipelines to drive all **Micro Services** builds out to the **Docker** registry and also used **SonarQube** plugin in Jenkins pipelines for code quality testing and analysis
* Expertise in **Amazon Web Services (AWS)** such as **EC2, AWS RDS, Dynamo DB, S3, Elastic Beanstalk, VPC and Security groups, Simple Email Services, Simple Notification Services.**
* Experienced in **Azure** cloud environments like **Azure Data Factory**, **Azure Cosmos DB**, **Azure Blob Storage**, **Azure File Storage**, **Azure Key Vault**, **Azure AD B2C**, **Azure Automation**, **Azure Event Hubs**.
* Used **Kubernetes** to orchestrate **Docker** containers and configure the pods to run the application. Worked on the **MuleSoft** Integrations tool to connect a variety of data sources & applications and for the streaming of data.
* Excellent communicator working with **team members**, customers, and stakeholders to drive project delivery. Talented **problem solver** with strong analytical abilities.
* Good written and oral communication skills and interpersonal skills with a strong ability to excel through collaboration with team members.

**Technical Skills:**

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| --- | --- |
| **Languages** | Java 1.8/8, J2EE, C++, C, PL/SQL |
| **Technologies** | Java Servlets, JSP2.0, HTML5, AJAX, XHTML, DHTML, CSS3, Flash, Java Script2.0, Angular JS, Node JS, Ext JS, BootStrap4, JMS |
| **Tools and Framework** | Spring 4.x, Spring MVC, Spring IOC, Spring Cloud, Struts 1.3/2.0, Hibernate, JSF, Spring Boot, Spring Security, Apache CXF, Groovy Grails |
| **Scripting Languages** | Java script, HTML5, CSS3, AJAX, XML, Angular 6/8 |
| **Databases & Clients** | Oracle 8i/9i/10g/11g, DB2, MySQL 5.x, SQL Server 12.0, MongoDB, Cassandra, Postman, SOAP UI |
| **Version Control** | Git, Bit-Bucket, CVS and SVN |
| **Web Services** | SOAP, JAX-RS, JAX-WS, WSDL, UDDI, JAXP, JAXB, Apache Axis  |
| **Web Servers** | Apache Tomcat, JBoss, GlassFish Server, WebSphere 8.5 |
| **Methodologies** | Rational Unified Process, Agile, Scrum, Test Driven Development  |
| IDE & Containerization | Eclipse, Visual Studio, PyCharm, IntelliJ, Apache Tomcat, Docker |
| **Tools** | Selenium, SonarQube Log4J, Junit, Ant, Mockito, DBUnit, Maven, Rational Rose, UML, Rational Clear case, CVS, Mocka, Karma. |
| **Cloud Technologies** | AWS-EC2, S3, VPC, Jenkins, Cloud Watch, PCF |
| **Project Tools & Build Script** | Jira, Bugzilla & Jenkins, Gradle, Maven |
| **OS & Environment** | Windows, Unix, Linux and Mac |

**Professional Experience:**

**Java Full Stack Developer Apr 2020 - Present**

**Thermo Fisher Scientific, Waltham, MA**

Worked as a Java Developer in the on-going project “The Just Project”, where my role was to develop and maintain a high-quality and reliable website. Also, design and develop microservices to take care of the customer details and transactions. I was also involved in maintaining other parts & services of the Company Website.

**Responsibilities:**

* Involved in analysis, specification, design, and implementation, and testing phases of Software Development Life Cycle ( **SDLC**) and used agile methodology (SCRUM) for developing the application.
* Developed new front-end from the ground up using  **HTML5, CSS3, JAVASCRIPT, JQuery, Bootstrap,** and **Angular 8 & ReactJS**,as front-end building Environments.
* Configure and run gulp tasks in **NodeJS**runtime and handle injection, **CSS**pre-processing, minifying, test-running, building-sync and single-page application development.
* Developed custom directives, Factories & Services in **Angular 8** & implemented code per coding standards & created **Angular 8**Controller to isolate the scopes to perform operations & extensively used Core Java such as Exceptions, and Collections.
* Expertise in consuming **Restful web services** using **Node JS, Angular 8**and **jQuery**along with **JSON**parsing to implement **AJAX**call and render the response data to User Interface.
* Extensively used **Java 8/1.8**features such as **lambda expressions**, Parallel operations on collections, multithreading, and effective sorting mechanisms. Used **Streams** and **Lambda expressions** available as part of **Java 8/1.8**to extract and filter the stored data.
* Experienced in implementing **Micro Services**, **SOA**with **XML**base web Services (**SOAP/UDDI/WSDL**) using Top-Down and Bottom-Up approach.
* Used **React** for isolated debugging, which helped us to achieve better UI stability & Virtual DOM made our render updates faster, used **Redux** architecture for creating data layers for unidirectional data flow.
* Worked on migrating legacy **SOA** from back-end architecture to microservice architecture using **REST API’s**.
* Worked with various versions of Spring frameworks like **framework version 4.2.0, 4.3, 5**.
* Worked with the **SPRING**framework hibernate integration to maximize the Classical model view controller layer ( **MVC**) Architecture. Implemented **SPRING MVC**application framework to create and configure Java beans using **SPRING IOC**and used **SPRING Hibernate**support, transaction management.
* Experience in creating **RESTful**web services using **Jersey, spring** framework, and **JAX-RS**.
* Implemented **RESTful**Web services to retrieve data from the client-side and made **REST API**calls from **Angular 8**and parsed the data to project to the client and handled the security and Authorization using **Spring Security**and **OAuth 2** using **JWT**.
* Creating **REST**-based Web Services by establishing links using **HATEOAS** from spring-based Applications.
* Involved in developing **API’s** and **Rest API** proxy using **APIGEE** edge and for sending mobile notifications.
* Developed the Web Services Client using **REST, RSDL** for verifying the new customer history to a connection.
* Developed **DAOs** using **Hibernate** as **ORM** to interacting with **DBMS** – **MySQL** and **AWS S3**.
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra**and **CouchDB**.
* Created **GraphQL** schema and queries to interact with **Mongo DB** database.
* Worked on Thread handling to maintain continuity of execution and extensively implemented **Multithreading** concept to handle Transaction Management with isolation & propagation levels.
* Experience in message streaming by using **Apache** **Kafka**. Developed data transformer for converting legacy data from Source tables to Avro format using **Camel.**
* Ran Log aggregations, website Activity tracking and commit log for distributed system using **Apache Kafka.**
* Used **MAVEN** as a built tool and used Swagger to document of **REST API’s** and used Lombok plugin.
* Using the **JUnit** test in **IntelliJ**, developed Unit test cases and test suite**, Mockito** was also implemented to test.
* Used **Jenkins** as the integration tool and improved **scalability** of applications on **cross-platforms**.
* Deployed the Application **EAR**and **RESTful**Services on **JBoss**Application Server.
* Involved in Production Support and Maintenance of the application and troubleshooting of Issues on **JBoss**by **checking logs, payments,** etc.
* Worked on creation of custom **Docker** container images, tagging, pushing images, integration of**Spring boot**. Created the **Docker** containers and **Docker** consoles for managing the application life cycle.
* Worked as part of Microservices team to develop & deliver **Maven** projects to deploy on **Kubernetes** using Docker. Also worked on **Docker** container implementation for the Enterprise build system.
* For CI/CD operation, used **Maven**and**Jenkins** to automate the build and deploy process, **Git** was used for project management and version management and Bitbucket as a source code repository.
* Designed and developed the framework to consume the web services hosted in **Amazon EC2**instances.
* Worked with **AWS** **cloud** service in creating **EC2** instances and providing them roles and sometimes participated in writing custom policies and deployed applications on **Elastic Bean Stalk** and **EC2.**
* Experienced with event-driven and scheduled **AWS** **Lambda** functions to trigger various **AWS** resources.
* Used **AWS SDK**for connection to **Amazon S3**buckets as it is used as the object storage service to store and retrieve the media files related to the application and **Amazon Cloud Watch**is used to monitor the application and to store the logging information.
* Configured and managed **AWS Glacier**, to move old data to archives based on retention policy of databases/ applications. Used **AWS API gateway** to create, publish, maintain, monitor, and secure the APIs.
* Worked with the **Node package manager** along with **Karma, Jasmine**, and **JEST**as unit testing frameworks in front-end and used Junit and Mockito in back-end.
* Smoke Test and Acceptance Testing is performed with **Selenium** in multiple Java platforms.
* Worked with the automation team to understand the **Selenium** scripts and review the code, run the tests and review the results and provide inputs to the team.

**Environment:**Java/JDK, J2SE/J2EE, HTML5, CSS3, JavaScript, JQuery, Spring, Spring Boot, Spring Batch, Spring MVC, Angular 8, NodeJS, EC2, S3, SDK, MySQL, SOA, JDBC, Hystrix Dashboard, AWS, Netflix Ribbon, Hibernate, REST, JSON, RESTful, Eclipse, MAVEN, JUnit, Jenkins, JBoss, Linux OS, MongoDB, GIT, PL/SQL, Docker, ANT, JIERA, Kafka, JMS.

**Java Full Stack Developer Jun 2019 – Mar 2020**

**Honeywell Inc., Los Angeles, CA**

Worked in the project “Honeywell Aerospace” which included Agile Scrum Methodology for the software development process to develop and maintain high-quality application. Goals of this project was to create an marketplace for used aircraft parts and cut the purchasing time from days to seconds.

**Responsibilities:**

* Responsible for all stages of design, development, and deployment of applications. Active role in **Test Driven Development** termed as **TDD** apart from Agile Software Development.
* Defined and constructed layers, server-side objects, and client-side interfaces based on **J2EE design patterns.**
* Designed, analyzed, and developed the **front-end** and **back-end Servlets,** used **Bootstrap**for designing**, HTML5, CSS3, Ajax, React JS**for developing presentation layer.
* Developed **React** components to implement various feature specific modules in the application and worked with a team to move existing web apps to **React**with ES6 Features. Responsible for Building applications using **React.js** which allowed us to render pages on both the client and server using the same codebase.
* Responsible for **React** UI & architecture, along with building components library, including Tree, Slide-View, and Table Grid. Used **React**data grid to developed tabular views in the application and used **react**data components to implement pagination.
* Implemented **React.js** code to handle cross-browser compatibility issues in Mozilla, IE 7, 8, 9, Safari, and FF. Used **Babel** plugin tool for conversion of **ECMA versions** to support all types of browsers.
* Worked on developing CRUD applications using **MERN stack** (**MongoDB**, **Express JS**, **React JS** and **Node JS**) and REST based API.
* Actively involved in using **MVC, HTML5**to enable the client-side data to meet specific criteria by applying various validation variables and used the  **CSS**classes to provide visual feedback on validation.
* Developed **SOAP**based **JAX-WS Web**Service interfaces for integrating multiple systems, code re-usability.
* Analyze business requirements and develop various business delegates to integrate with Middleware services like **JAX-WS**using **SOAP**and **REST**.
* Worked on  **Restful  Web services** for backend services, used **Oracle**for database services and **RESTful**web services using **Jersey** for **JAX-RS**implementation.
* Developed mock data generation feature that is integrated with **GraphQL** IDE interface to allow users to send queries against their custom generated schema & render mock results in order to familiarize users to the **GraphQL** syntax.
* Wrote data mutations in **GraphQL** which allows user to update their username and password information.
* Created the **Node.js EXPRESS** Server combined with **Socket.io** to build **MVC framework** from front-end side **AngularJS** to back-end **MongoDB**, in order to provide **broadcast** service as well as **chatting** service.
* Hands-on experience in different modules (**Spring Core, Spring MVC, Spring ORM, Spring JDBC, Spring AOP, Spring Security**) of Spring Application Framework.
* Used **Spring MVC**components to implement business layer and **Spring Boot** for **Micro-services**.
* Used the **Spring IOC**feature to get Hibernate session factory & resolve other bean dependencies, used Spring framework **AOP**features & **JDBC**module features to persist the data to the database for few applications. Utilized **Spring core**, **AOP,** and **security** to build robust business operations with transactional support.
* Configured **hibernate** with **Spring ORM**as part of **spring**and **Hibernate**Integration for best results.
* Sound knowledge in SQL within **Oracle, MySQL, MS-SQL Server.** Created and modified Stored Procedures, complex **SQL** Commands for the application using **PL/SQL**. **MYSQL & MongoDB** was used as the database for the application which was hosted in the cloud using the **Amazon RDS**service.
* Worked on **POSTMAN** tool for testing Web Service by passing SOAP request to Web service provider.
* Proficient in using **Amazon Web Services (AWS)**. Extensive experience focusing on services like **EC2**, **Elastic Beanstalk**, **Cloud Watch**, **Cloud Front**, **Cloud Formation**, **IAM**, **S3**, **RDS**, **Elastic cache**, **SNS**, **SQS**, **AMI**.
* Created **AWS**cloud formation templates to create the development stack and QA stack and involved in setting up the **RDS instance**.
* Developed unit and integration tests for existing micro-services using **Jasmine, Karma, JUnit, DBUnit, TestNG Mockito,** and **Docker** environments.
* Developed and implemented **Groovy**Scripts to the automation of the build process on **MAVEN**build tools to test the application manually and run the **JUnit**Test suites.
* Developed **ANT**scripts to build and deploy the application in the **WebSphere Application Server.**
* Used **JIRA**tool for Issue/bug tracking, monitoring of work assignments in the system.
* Used **SLF4J** for logging purpose and **Splunk** to monitor our logs.

**Environment:**Java, J2SE/J2EE, JDK, RCP, AWS SDK, Git, Spring, Hibernate, Core Java, SOAP/Rest, Web Services, JavaScript, UML, HTML5, CSS, SASS, Sonar, WAS 8 WSDL, JIRA, JAX-WS, JAX-RS, MYSQL, JMS, Oracle, React JS, WebSphere, Spring, Spring Boot, Spring Batch, AJAX, jQuery, JUnit, Maven, ACTIVE MQ, Rabbit MQ.

**Java Developer Mar 2016 – Sep 2018**

**Appristine Technologies, Bangalore, India**

**Responsibilities:**

* Actively participated in all **Agile** meetings like Daily Standup, Iteration Planning, Pre-Estimation, Code Review, and Show/Tell Meeting.
* Developed User-friendly Interfaces using **React, Redux, Bootstrap, JQuery, Gulp, HTML5, CSS3, and ES6**.
* Created various **React** services, modules, pipes, attribute directives and worked with both template and data-driven forms. Worked on Components, Directives, Services, Forms, Http Access, Authentication, optimizing an **internal**application using **React** with Modules and Offline Compilation.
* Implemented features such as routing, data binding, data updates without a page refresh using **React.**
* Designed **GraphQL** to build client applications by providing an intuitive and flexible syntax and system for describing their data requirements and interactions.
* Implement the authentication, authorization, and access-control features by using **Spring Security.**
* Used **Spring IoC**to inject data into Java beans. Used Spring Security to provide authentication, authorization, and access-control features for this application.
* Implemented SOA to develop **REST**Based Web services using Apache Axis.
* Developed build script using MAVEN to build, package, test, and deployed the application in **WebLogic**.
* Use **WebLogic**fuse for remote console login, **JMX**management, and web server console.
* Used **Ant**& **maven**scripts for build and deployment of the application.
* **JIRA**for bug and issue tracking. Code walkthrough, modules integration, and unit testing using **JUnit**and **Mockito**. Used  **Log4J**, **Splunk** for logging and tracing the messages.

**Environment:**Java, JSP, Servlets, Spring AOP/IOC, Spring MVC, Hibernate, XML, JBPM, HTML, JDBC, Web services, Web Services (SOAP/WSDL and REST), Multithreading, WebLogic, Mockito, Junit, Maven, Log4J, SVN, Oracle, UNIX.

**Java Developer Nov 2014 – Feb 2016**

**Citi Bank, Bangalore, India**

**Responsibilities:**

* Involved in all phases of the project from the analysis and requirement phase to delivering the project.
* Worked in a **Waterfall**environment and participated throughout the **SDLC** process.
* Implemented **Struts MVC** Design pattern for the Application for the front-end appearance and log in Screens.
* Developed the view-controller components using **Servlet/JSPs, JavaScript, CSS**and **HTML**.
* Wrote client-side validation in JavaScript. Involved in creating **JSP** pages for the presentation of the data to the end-user. Developed **JSP**/ Action **servlet**classes.
* Applied J2EE design patterns such as **MVC**, **Singleton**, and Data Access Objects in the architecture
* Used **JDBC** as DAO class to persist the data on to **Oracle** Database.
* Implementing **Log4j**for logging and debugging. And, prepared **JUnit** test cases and executed the test cases using **JUnit.** Used **Firebug** to keep track of issues. Involved in bug fixing during the System testing, Joint System testing, and User acceptance testing.

**Environment:** Java, HTML, JSP, Servlet, EJB, Struts, JDBC, Oracle 8i, WebSphere Application Server, Ant, JUnit, JavaScript, Rational Rose, Dream Weaver, CSS, Ant, Log4j, Firebug, Eclipse.

**Jr. Java Developer Jun 2013 – Oct 2014**

**Acer India Pvt Ltd, Bangalore, India**

**Responsibilities:**

* Created user-friendly GUI interface and Web pages using **HTML, CSS,** and **JSP**.
* Involved in the **development**, **testing**, and **implementation** of the complete business solution.
* Used **Java Servlets** extensively and using **JDBC** for **database access**. Designed and developed user interfaces using **JSP, JavaScript**, and **XHTML.**
* Used various **J2EE design** patterns like **Singleton, Command Pattern** for the implementation of the application. Designed, coded, and configured server-side **J2EE components** like **JSP, Servlets, JavaBeans, JDBC, JNDI, JTS, Java Mail API, XML.**
* Involved in database design and developed **SQL Queries** on **MySQL.** Configured the product for different **application servers.** Involved in client-side validations using **JavaScript.**

**Environment:** Java, JDBC, Servlets, Struts, JSP, Hibernate, Java Mail API, AJAX, HTML, XML, ANT, Log4J, CVS, Eclipse, Putty, MySQL, Apache Tomcat Server.