Vignesh

Java Full Stack Developer

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PROFESSIONAL SUMMARY:

* Around 8+ years of experience in Cross-Platform (Web & Client-Server) application development and design using **Object-Oriented Programming, Core Java, J2EE technologies**.
* Experienced working in both **Agile** and **Waterfall** based development environment and participating in **Scrum** sessions.
* Utilized Java 8 features like **Lambda expressions** and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
* Have strong exposure and work experience on core java concepts collection API, **Stream API**, **Parallel Streams**, **exception handling**, **Multithreading**, **HashMap, concurrency**, **JDBC**, **modularity**, **executor service**, **fork** and **join frameworks**.
* Expertise in **Microservices** development dealt with Traffic Management and scope functionality, highly proficient in designing n-tier Enterprise application with J2EE design patterns like **IOC** (Inversion of Control), **AOP** (Aspect Oriented Programming), **MVC**, **Business** **Delegate**, **Service** **Locator**, **Session** **Façade**, **DTO**, **DAO**, **Front** **Controller**, **Factory**, and **Singleton.**
* Designed and developed J2EE **MVC** applications using **Struts**, **Spring MVC** and **Spring Boot**.
* Expertise in designing, developing, and deploying applications using **J2EE** technologies including **Servlets**, **JSP**, **EJB**, **JSTL**, **Struts**, **Spring**, **Spring** **Boot**, **JSF, JMS, AJAX, JDBC, JNDI, GWT Java Beans, Hibernate** and **Web Services.**
* Expertise in several J2EE technologies like **JSP, Servlets, JavaScript, Web Services (SOAP, REST) and JSF**.
* Expertise in **Hibernate, Spring, EJB (Entity Session Message Driven Bean), Ajax, Java Beans, JNDI, JMS, Java Mail, XML,** Sockets using IDE’s like **Eclipse.**
* Good experience of implementing reactive programming using **RxJava** to manage asynchronous tasks and events.
* Experience in designing and developing middleware components for embedded systems, using **C**, **C++,** **STL**, multi-threading (POSIX), Boost libraries and design patterns.
* Expertise in Programming with **JDBC**, **EJB**, **JNDI**, **JMS**, **Servlets**, **JSP** and Custom tags using Struts framework.
* Experience Front end part of the application using **Angular.JS, Ext.JS, Backbone.JS, jQuery, Node.JS, Ajax, Bootstrap React JS Html5 and CSS**.
* Strong working knowledge of Database Programming using and maintaining **SQL**, **PL/SQL, Triggers** and Stored Procedures, **NoSQL databases MongoDB** and **Cassandra**.
* Strong working experience on **SQL Databases** like **MS SQL Server, Postgres, Sybase, and Oracle.**
* Implemented asynchronous task processing pipeline using **RabbitMQ**.
* Expertise in writing unit test cases with **Mockito** and **JUNIT** and performed integration testing.
* Worked on various testing frameworks for front end/user interface like **Karma, Jasmine, Jest, Mocha, Chai** etc.
* Experience in **CI CD** pipelines to integrate the Java code to align with **DevOps** using **Docker**.
* Worked with Spark for improving performance and optimization of the existing **algorithms** in **Hadoop** using **Spark Context**, **Spark-SQL**, **Data Frames** and Pair RDD.
* Designed and implemented **AWS** **EC2** Server setup and deployment, build, maintenance, and configuration of various **AWS** resources like, **EC2**, **S3**, **Lambda**, **ECS**, **EBS**, Elastic Load Balancers, VPC, and IAM Security Groups that are utilized for different environments like dev, testing, Production.
* Delivered architecture designs and solutions for public, private and hybrid clouds covering the cloud architecture tiers and portfolios of cloud services **IaaS**, **PaaS**, **SaaS**.
* Hands-on experience using the version control tools like **SVN** and **GIT** and project management tools like **JIRA**, **QC**.
* Extensively used the repositories like **Git** and **SVN**.
* Good working knowledge of **Ant**, **Jenkins**, **Maven**, and **AWS** for project build/test/deployment, logging and JUnit for unit and integration testing.
* Hands on exposure to multiple Application Servers like **BEA Web Logic Application Server, Apache Tomcat, WebSphere and JBoss**.
* Hands on Experience in integration with **JUnit**, and **Log4j** frameworks.
* Knowledge of using Routed Protocols like **FTP**, **SFTP**, **SSH**, **HTTP**, **HTTPS** and Direct connect.
* Experience with browser testing, knowledge of **cross-browser/cross-platform** compatibility.
* Excellent working knowledge and thorough exposure on compatibility issues with different versions of browsers like **Internet** **Explorer**, **Mozilla** **Firefox**, **Safari** and **Google** **Chrome**.
* Proficient in Quality Control - includes ensuring defect-free releases, maintaining correct entries in **Design** **Docs**, **UI** **specs**, **Test** **Cases**, **Traceability** **Matrix**.
* Excellent skills in programming using a wide variety of languages and the ability to adapt to new latest technologies and work in a **Multi**-**platform** environment.

Technical Skills:

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| --- | --- |
| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, Python |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka. |
| **Frameworks** | Spring, Hibernate, MEAN Stack |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML/HTML5, XML, CSS/CSS3, Bootstrap, JSP, Ajax, NodeJS, Express, ReactJS, AngularJS, Angular7. |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, JBoss |
| **IDE’s** | Visual Studio Code, Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Databases** | Oracle, MySQL, Postgres, Sybase, NoSQL, and MongoDB |
| **Operating Systems** | Windows, MacOS, Unix, Linux (Ubuntu, Red Hat) |
| **Version Control** | CVS, Clear Case, SVN, GitHub, Bitbucket |
| **Methodologies** | Agile, Waterfall |
| **Others Software Skills/tools used** | MS Office, Visio, Adobe Photoshop, HPALM, JIRA |
| **Build Tools** | Maven, Gradle, Ant |

PROFESSIONAL EXPERIENCE:

**Homesite Insurance - Boston, MA Feb 2019 – Present**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Addressing heavy traffic situation and migrating user-specific data off service instances and into a shared by using **Microservices**.
* Used core java concepts like **Multithreading**, **Collections** **Framework**, **File** **I/o** and **concurrency**.
* Worked on Core Java concepts such as OOP Concepts, **Collections** **Framework**, and **Exception** **Handling**, **I/O** **System**, **Multi-Threading**, **JDBC**, **Generics**.
* Used Java8 features in developing the code like **Lambda expressions**, **creating resource classes**, fetching documents from database.
* Designed, developed, and tested **HTML5, CSS3, Bootstrap, JavaScript, jQuery** and **React.JS** that meets accessibility and web browser standards for website.
* Developed user interface by using the **React JS, Flux** for SPA development.
* Implemented **React JS** code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF.
* Used **React-Router** to turn application into Single Page Application.
* Worked in using **React JS components, Forms, Events, Keys, Router, Animations and Flux** concept.
* Used design patterns like **Singleton**, **Data Access Objects**, **Factory** and **MVC** patterns.
* All the functionalities are implemented using **Spring IO / Spring Boot** and **Spring JDBC**.
* Designed **REST** based **Microservices** using **Spring Boot**.
* Designed and developed the **RESTful** web services using the **JAX-RS API** to communicate over the network.
* Implemented Java EE components using **Spring** **MVC**, **Spring** **IOC**, **Spring** **transactions** and **Spring** **security** modules.
* Integrated **Spring Security** to manage user registration and login.
* Implemented **Cryptography** for user authentication and authorization.
* Worked on **Swagger API** and auto-generated documentation for all **REST** calls.
* Implemented persistence layer using **Spring** **JDBC** template to store the data in **Oracle** database.
* Involved in maintaining and updating the procedure for **ETL** process.
* Used Oracle as database and Involved in the development of PL/SQL backend implementation and using **SQL** created **Select**, **Update** and **Delete** statements.
* Involved in writing complex **SQL** queries using correlated subqueries, joins, and recursive queries, **PL/SQL** stored procedures.
* Changing the AWS infrastructure Elastic Beanstalk to **Docker** with **Kubernetes**.
* Moving existing monolithic architecture to **microservices** and migrating them to **AWS** cloud.
* Experienced in writing real-time processing and core jobs using Spark Streaming with **Kafka** as a data pipe-line system.
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Developed **Mockito** and **JUnit** test cases to improve code coverage.
* Created **JSON** request and validated the response using **postman** Interceptor and **Swagger UI**.
* Setup **CI/CD** pipeline process for the application using the **Jenkins**.
* Apache **Maven** tool has been used for the build and deployment of the application.
* Monitored the Error logs using **Log4j** and fixed the problems.
* Involved in understanding SDLC using **Agile** methodology.

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, Spring Security, JPA, JMS, HTML5, CSS3, React.Js, Cryptography, Eclipse, Oracle 10g, Swagger UI, Log4j, JIRA, Pure XML, Web Services, Kafka, Microservices, REST UI.

**Broadridge - Lake success, NY August 2017 – Feb 2019**

**Java Full Stack Developer**

**Responsibilities:**

* Actively participated in the **Analysis**, **Design**, **Development** and **Testing** phases of various modules.
* Created Typescript reusable components and services to consume **REST** **API's** using Component-based architecture provided by **Angular 6/7**.
* Implemented **Angular** 2 Services for connectivity between web application and back-end API'S using **TypeScript**.
* Implement the technical transformation for the front-end from **Angular**.**JS** to **Angular7**. Developed single page applications using **Angular7** Routers.
* Performed form validations using reactive forms from the **Angular7** framework.
* Created **Angular7** Directives, **Components**, **Pipes**, Injectable across the whole system, such as to build the custom filter.
* Utilized the features of **Angular7** to present effective web design.
* Developed various **pages** in the applications in front end technologies **HTML5**, **CSS3**-**SASS**, **JSON**, **Angular 6**.
* Extensively involved in upgrading the existing system from **Angular 5**to **Angular 7**.
* Developed Single Page Applications (SPA) using **Angular 7, TypeScript, HTML5, CSS3**, and **Bootstrap 3**
* Used **HTML5**, **CSS3**, **JavaScript**, **Angular7** and **Bootstrap** in front end.
* Worked with **Angular7** Controllers, Directives, Services, Pipes, Guards, Angular Routing.
* Designed animated web pages by importing the @angular/animations which is the latest animation package in **Angular7**.
* Used Webpack to bundle **Typescript** and **JavaScript** modules.
* Understand and adopt **Microservices architecture** to gradually replace a core monolithic application to **Microservices**.
* Expertise in **spring based microservices, and enabled discovery using Eureka Server.**
* Designed and developed **RESTful Web Services** using **Spring Boot**.
* Developed server-side application to interact with database using **Spring Boot** and **Hibernate**.
* Developed **RESTful** Services with Java using JAX-RS, Jersey and Spring Boot. Coding for consuming the **REST APIs**, getting **JSON** response and parsing them to get the required formats.
* Expertise in various components in Spring, which includes **Spring IOC, AOP, Spring JDBC, Spring MVC, Spring JPA, Spring Batch, Spring Security and Spring Boot.**
* Used Hibernate and **Mark Logic**, writing service methods and **SQL** queries, **PL/SQL** to interact with the **Oracle DBMS**.
* Managed Eureka Client, **Eureka Server, Eureka Instance, Eureka** Service through **Spring Boot**.
* Expertise in implementing **Microservices** Architecture using Boot **Application**, **Eureka** **Discovery** **Service**, **Eureka Client**, **REST**, **SOAP**, **JPA**, **Hibernate**.
* Deploy the application on Amazon Web services (**AWS**).
* Use Amazon Cloud Watch to monitor **AWS** services & Amazon Cloud Watch logs to monitor the application.
* Co-ordinated with **QA** lead for development of **test plan**, **Test management** and **defect management**.
* Hands-on experience in using message brokers such as **ActiveMQ** and **RabbitMQ**.
* 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.
* Integrating various **Version control tools**, **build tools** and **deployment methodologies** into **Jenkins** to create an end to end orchestration build cycles.
* Used Jenkins to execute the **Maven** project as well to build the version system tool.
* Maintained and managed cloud & test environments and automation for **QA**, **Product Management** and **Product Support**
* Developed **JUnit** test cases for Persistence layer and Business layer to perform the unit level testing.
* Configured **Log4j** for adding the debugging information in the code base.
* Used **SVN** for version control.
* Involved in **Agile** stand up meetings throughout the project with team members on day to day basis for the update on project status using **JIRA** and **HP ALM**.

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, JPA, JavaScript, Angular7, HTML5, CSS3, Eclipse, Drools, JBPM, Oracle 11g, ILOG, log4j, Junit, TestNG, TypeScript, Selenium, Easy Mock, RabbitMQ, XML, Web Services, SOAP UI.

**Amway Corp - ADA, MI Oct 2016 – August 2017**

**Sr Java Full Stack Developer**

**Responsibilities**

* Worked in an **Agile** based development environment and participated in Retrospective, Scrum session for better understanding, communication among team members.
* Involved in various phases of Software Development Life Cycles (**SDLC**) like Design, Development and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams
* Acquired process awareness for software development and deployment.
* Developed powerful Single Page Application and dynamic responsive Web Application with **Angular6**.
* Experienced in **Angular 6** Template basics, Template directives, Routing and navigation, Components, Services and Data Binding. Advise team on best practices for **Angular 6** component driven architecture.
* Worked in **Node**.**js** based microservices.
* Designed and developed RESTful Web Services using **Node.JS**.
* Developed server-side application to interact with database using **Node.JS**.
* Developed RESTful Services with Java using **Node.js**. Coding for consuming the REST APIs, getting JSON response and parsing them to get the required formats.
* Worked on creating, retrieving, updating, and deleting documents in **MongoDB**.
* Implemented modular approaches for backend on AWS’s **Elastic Beanstalk** and implemented interfacing with **MySQL/Aurora DB** on AWS’s **RDS**, allowing for scalability.
* Implemented Custom Exceptions depending on the **API** Responses.
* Implemented **BDD** through **Cucumber**.
* Created the **Feature Files** for Cucumber Automation.
* Developed **Mockito** and **JUnit** test cases to improve code coverage.
* Experience in writing unit tests using **JUnit** and **Easy Mock**.
* Tested the performance of our API using **SoapUI, Postman,** and **JMeter**.
* Used **Jenkins** server for code monitoring during code integration phase.
* Utilize **EBS** to store persistent data and mitigate failure by using snapshots.
* Used **JIRA** as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.

**Environment**: JDK 1.8, Hibernate, LINUX, Maven, RESTful Web Services, Jenkins, HTML5, CSS3, Angular6, Bootstrap, JavaScript, jQuery, Ajax, Node.js, MongoDB, SoapUI, Postman, API Life Cycle, JUnit, JMeter, Git, JAX-RS, JIRA, Cucumber, Putty, Agile.

**Advithri Technologies - India May 2015 – July 2016**

**Java Full Stack Developer**

**Responsibilities:**

* Used **Spring framework MVC** in the development of new modules based on requirements.
* Utilized various utilities like **JSP, JSTL, JavaScript, HTML,** & **CSS, jQuery**.
* Refactored existing project to make it more **RESTful** and thread safe.
* Involved in the creation of dynamic web pages with the use of **JSP** and **HTML**.
* Configured and set up Java Workspace which included setting up server and theme installation and configuration. Became familiar with using and navigating through Java Workspace (**Eclipse**).
* Debugged Java classes used to modify web pages such as **Business Objects** and **Data Access Objects**.
* Implemented **JDBC** to perform the database calls from the Java layer.
* Used **JDBC** to persist **Java Objects** into the **Sybase** database.
* For XML marshalling and unmarshalling used **JAXB**. Worked with databases like **Sybase**.
* Tested many components of web application and documented my observations.
* Used **Servlets** as an interface between frontend and backend to handle **HTTP** requests and to send the response back to the front end.
* Participated in analysing the requirements and depicted them through use cases and scenarios.
* Participated in unit testing, integration testing and installation of the system.
* Contributed to the decision making of the software and hardware requirements and tool evaluations.
* Implemented logging for the whole application using **Log4j.**
* Involved in daily scrum meetings, worked on the sprint tasks in the **Agile** Scrum development.

**Environment:** Core Java, J2EE, HTML, CSS, JSP, JDBC, JSP, JavaScript, jQuery, XML, JSON, Servlets, Spring Framework, PL/SQL, Hibernate, Sybase, JAXB, RESTful, Log4j.

**Reliason Technologies Private Limited – India August 2012 – May 2015**

**Java Developer**

**Responsibilities:**

* Designed and developed web pages **HTML**, **JSP**, **Portlets**, **AJAX**, **JSTL**, **JavaScript**, **Angular JS**, **bootstrap**, **jQuery,** and **CSS**.
* Designed and Developed the application using the **MVC** architecture.
* Developed the presentation layer using **Struts Framework**, **JSP**, **Servlets**, **JavaScript**, **jQuery**, and **AJAX**.
* Used **MVC**, **Value Objects, Service Locator, and Session Façade Design Patterns**.
* Developed stored procedures, triggerson **Postgres database**.
* Developed the Action classes for handling the requests from the **JSP** pages.
* Implemented and designed **user interface** for **web-based** customer application.
* Interacted with Business **Analyst** and Business owner to give up the best designing features for the product users.
* Developed Custom Tags using **JSTL.**
* Developed **Java** **Bean** components to communicate with **Postgres** Data Base.
* Developed **TDD** using **Junit, Mockito**.
* Developed **Maven** scripts to build and deploy the application into **WebLogic** Application **Server** and ran Perl shell scripts and implemented auto deployment process.

**Environment**: **Core Java, JSP, Servlets, JDBC, jQuery, JSTL, Angular JS, Bootstrap, CSS, AJAX, Splunk, Struts, MVC, JUnit, ESB MULE, SOAP UI, Postgres, WebLogic, Maven, SVN**.

Education: Bachelor’s in Electronics and Communication Engineering from JNTUH in 2012.