**Jayanth Krishna**

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**PROFESSIONAL SUMMARY:**

* Over 8 years of programming experience in object-oriented analysis and design, development, testing and maintenance of distributed Java applications and client-server.
* Good understanding in web application development using **JAVA, J2EE** technology, **Java Swing** and practical experience in **JAVA8.**
* Experience with various **MVC Java frameworks** like **Angular.JS, EXT.JS**, **Backbone.J**S, **Node.JS.** Responsible for developing the partner Homepages using **HTML5, CSS3, JavaScript, Angular.JS, Node JS** and **jQuery.**
* Had a strong development skill in **Java, J2EE, JDBC, JSP, Servlets, Hibernate, Spring, Spring Boot, HTML, XML**, **Bootstrap, Java Script, Oracle, MYSQL.**
* Knowledge in designing and developing **RESTful** based web services and **SOAP** based web services using **spring Frameworks**.
* Strong experience in using **AJAX** for implementing dynamic webpages where the content can be fetched via **API** calls, using **RESTful** web services.
* Well experienced in functional and technical systems analysis & design, system architectural design, presentation, pr interfaces design, process flow design, and system impact analysis and design documentation and presentation.
* Have experience on **Design and Analysis (OOAD)** resulting in Use Case View (Use Cases & Actors) & Logical View (Class Diagram and Sequence Diagram) using **UML.**
* Hands on experience with **Core Java** with **multithreading**, **Concurrency**, **Exception Handling**, **IO Interfaces**, **Data structures** and **Collections**, **Garbage Collection**.
* Hands-on experience in relational databases like Oracle, **MySQL, MS SQL** Server using **SQL** and **PL/SQL**.
* Working knowledge of version control systems such as **Bitbucket, SVN, GitLab**, and **GIT**, as well as continuous integration and delivery platforms such as **Docker**, **Jenkins**, and **Kubernetes**. Leveraged **CI/CD** tools like **Docker** and **Jenkins** to successfully deliver production-ready applications to **AWS**, and used **GIT** for code version control for incremental development.
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**.
* Excellent communication, Leadership, teamwork and presentations skills with hands-on experience building and documenting user requirements.
* Experience with **AWS** components such as **EC2** for virtual servers, **S3** and Glacier for object storage, **EBS, SNS, SQS**, **Lambda** **Functions**, **ECS**, **Route** **s3**, **Cloud Front**, **Elastic Cache**, **RDS**, and **DynamoDB** for data storage.
* Designed and built **Microservices** utilizing the **REST** framework and **Spring Boot,** and created the application using **Bootstrap** and **Angular**.
* Good performance **Microservices performance** with **Spring Cloud**, which includes Eureka, **Ribbon**, **Hystrix**, **Zuul**, and **Spring** **Cloud** **Config**.
* Had Good experience on **AWS** services in creating and using **EC2** instances and in creating **S3** buckets and able to add file and delete files.
* Experience in using **Spring** **DI** and **Spring MVC** for **REST APIs** and **Spring Boot** for **micro-services**
* Experience in Automation Tools like **Selenium**, **WebDriver**, **TestNG**, **Eclipse**, **GIT/GitHub**, **Jenkins**, **SOAP** **UI** and **REST** with **POSTMAN**
* Had Experience with **spring** modules like **spring** **Core**, **spring** **MVC**, **spring** **JDBC**, **spring** **Hibernate** **+** **JPA**, **spring** **IOC** and **spring** **Boot**.
* Used **Apache Kafka** to keep track of all website activity, as well as certain **large-scale message processing applications** and Inter process messaging for transient message storage rather than messages being kept in long-term memory storages.
* **Test Driven Programmer** with extensive experience in unit testing using **JUnit, Mockito**, and Postman for Web Service **testing**, performance testing with **JMeter**, and automated testing utilizing the **Test-Driven Development (TDD)** paradigm under the Extreme Programming model.

**Technical Skills:**

| **Languages/Utilities** | Java, C, C++, Python, MATLAB, PL/SQL, XML and UML. |
| --- | --- |
| **Web Technologies** | HTML5, CSS3, JavaScript, Servlets, Bootstrap, AJAX, Responsive Web Pages, Rest, RabbitMQ, XML, JSP, DOM, Responsive Web Design, JSON. |
| **Java Technologies** | JDBC, JSP, Spring Boot, Spring MVC, Hibernate, Apache Kafka, Strut. |
| **JavaScript Technologies** | jQuery, Angular, React, Vue, React.js, Redux. |
| **Database** | Oracle, MySQL, DB2, MongoDB, NoSQL, Cassandra. |
| **Testing frameworks** | Junit, Mockito, Postman, Cypress ,Swagger. |
| **Web Servers** | Apache Tomcat, JBoss, WebSphere. |
| **Repositories** | GitLab, GitHub, Bitbucket. |
| **Methodologies** | Agile, Waterfall, SDLC, scrum. |
| **Cloud** | AWS, Azure, Heroku, PCF. |
| **IDEs and Tools** | IntelliJ, Eclipse, VS code, NetBeans, Text pad, Maven, UML, Log4j, ANT. |
| **Operating Systems** | Windows, Linux, UNIX. |

**PROFESSIONAL EXPERIENCE**

**Client: ClassDojo, San Francisco.** OCT 2021– Till Date

**Role:** Java Full Stack Developer.

**Responsibilities:**

* Worked in developing web applications based on **HTML5, CSS, JavaScript, Query, AJAX, JSON, XML, Bootstrap, React.**
* Developed web presentation layer using **HTML5** and **CSS** according to internal standards and guidelines.
* Developed **Java API** to interact with the **Amazon SQS** used in sending bulk emails.
* Wrote application-level code to add functionality to the perform client-side validation using JavaScript.
* Working knowledge on **Model View Control (MVC)** design pattern and Test-Driven Development (TDD).
* Used flux architecture in **React JS** for building client-side web application and also, rendered large data sets on the application view using **React JS.**
* Created **REST** Microservices by diving the single page application into the chunks of servers to avoid the burden among the servers and used **REST** calls like **GET**, **POST** to have a communication between those services.
* Developed **GET, POST, UPDATE** and **DELETE RESTful** Web Services using **Spring Boot**.
* Utilized Rest Data Services using **Spring Rest API**.
* Implemented the application using **Spring IOC**, **Spring MVC** **Framework**, **Spring Batch**, and **Spring Boot** and handled the security using **Spring Security**.
* Configured the authentication with **JWT**. Created interceptor with authorization header to verify **JWT**.
* Involved in using **React .JS** components, **Forms, Events, Keys, Router, Animations** and **Flux concept.**
* Developed a front-end application for internal team productivity use using **React.js** and **FLUX architecture**.
* Built Web pages that are more user-interactive using **jQuery** plugins for Drag and Drop, Auto Complete, **JSON**, **JavaScript** and **ReactJS**.
* Used **React .JS** in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
* Experience in **DOM, React Props, Lifecycle methods** , working with **React States** and **Events** .
* Created and developed the internal **Angular.JS** framework applications projects. **Unit testing** with **Jasmine**.
* Developed powerful visualization components and **DOM** manipulation using **React JS**
* Experience working with **Redux**  for maintaining the consistency and for running the application in different environments (client, server, and native) which was also easy to test
* Experience working on **Redux** Uni-directional data-flow achieving the predictable application behavior.
* Used **Node . JS, React.JS** , **MVC** framework for developing the Single Page Application
* Watched project changes with Grunt task runner and installed most recent version of libraries with Bower based on running in the **Node.JS** environment .
* Developed real time video streaming application using **Node.JS**.
* Developed **Web API** using **Node JS** and hosted on multiple load balanced **API** instances.
* Used **Bootstrap framework** and media queries for developing customizable and responsive web design for compatibility with different platforms and screen sizes.
* Worked with **Amazon Web Services** like **EC2, S3**, Amazon Simple DB, Amazon **RDS**, Amazon Elastic Load Balancing, Amazon **SQS**, **AWS** Identity and access management, **AWS Cloud** Watch, Amazon **EBS** and **Amazon Cloud**
* Working with **ECMA** Script 6 features. Used Babel, web pack with es2015, react **JSX** presets.
* Converted a monolithic app to microservices architecture using Spring Boot using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in PCF.
* Take care of the business-related queries related to customers by using Postgres SQL and answer or remediate the ask according to the business.
* Involved in all the stages of **Software Development Life Cycle (DLC)** including Requirements, **Analysis**, **Implementation**, **Integration**, **Testing** and **development** and worked in different types of DLCs like Agile (scrum), waterfall.
* Used **GIT** repository for software configuration management and version control.
* Perform Web Optimization on websites and web services for improved functionality over Cross Browsers and platforms.
* Good Web Application debugging skills using **Chrome Developers Tool** and Firebug.
* Involved in daily **SCRUM** meetings to keep track of the ongoing project status and issues.
* Responsible for closing the backlog of production related issues.
* Responsible for effective communication between the project team and the customer. Provide
* project team and regular project status to the customer.
* Interacting with the clients for the new enhancements to be done.

**Environment:** HTML 5, XML, JavaScript, Query, JSON, JSP, CSS3, React JS, Bootstrap, Node.js, Design Patterns, Servlet, JSP, Spring MVC, Spring Boot, Hibernate,Restful, Cypress,AWS, WSDL, Postgres SQL, Mongo DB, Splunk, Kafka, Maven, JBoss, Agile Methodology, SCRUM.

**Client:** AIG Insurance, New Jersey. Nov 2020 – OCT 2021

**Role:** Java Full Stack Developer

**Responsibilities:**

* Responsible for developing the **UI** pages using **HTML5, CSS3, JavaScript, Bootstrap, JSON** and **JQuery, Ajax**.
* Expertise in creating Custom Reusable **React Components Library** Experienced in working with Redux architecture using complex **Object-Oriented concepts** in improving the performance of the **websites**.
* Used **ReactJS** framework to create a **Single Page Application (SPA)** which can bind data to specific views and synchronize data with server.
* Developed **Rest Controllers** to interact with **Angular calls** and **React calls**.
* Used **React Observables** to create custom components for data manipulations and to display data in company standard format.
* Well experienced in view rendering using **jQuery**, **React JS**, **Handlebar JS** and implementing **React JS** with **Redux** (promise, saga) and **Flux** patterns to attain **MVC** functionality.
* Wrote **JavaScript** functions to get Dynamic data and Client-side validation.
* Developing **Junit** and integrating tests for existing **Micro-Services** using **Junit** and **Mockito**.
* Used **Spring Boot** to modularize code and create **REST APIs** using **Spring REST**, as well as integrating **Swagger API** for documentation.
* Implemented **RESTful** Web services to retrieve data from client side and made **REST API** calls, parsed the data to project to client and handled the security and Authorization using **Spring Security** or **OAuth.**
* Involved in creating java batch applications, **Restful API’S** with **Spring Technologies**, implementing micro services.
* Configured **Swagger-UI registered Microservice** with Eureka server to monitor service from Spring Boot.
* Developed presentation layer using Spring **MVC** and used annotation-based mapping to map the **JSP** post backs to the controller methods.
* **Spring AOP** is used for Security and Transaction Management.
* Implemented **DAO** using **Hibernate Reverse Engineering**,**AOP**, and service layer using **Spring**, **MVC** design.
* Successfully did set up a authentication **Kafka** listener in parallel with **Kerberos** (SASL) Listener. Also, I tested non authenticated user (Anonymous user) in parallel with **Kerberos** user.
* Designed and implemented the **MongoDB** schema. Familiar with **Embedded** and **Normalized** data models in **MongoDB**.
* Wrote services to store and retrieve user data from the **MongoDB** for the application on devices.
* Experience using Redis Cache and creating **APIs** to query Redis Cache.
* Documented the **REST** **API's** using **Swagger2** **API** for briefing the services involved in the application.
* Testing activities like **BVT** **Sanity Testing**, Functional Testing/Regression Testing, Stress Testing, **Private testing Unit Testing, Security Testing**, and Inter-operability testing as part of the Functional Testing.
* Extensively used **JAVA** **OOP’s** concepts for developing Automation Frameworks using **Eclipse**, **Maven**, **Selenium** **WebDriver** and **TestNG**.
* Configured the different Data Sources in the **WebSphere** admin console and configured the db's in the **WebSphere** application servers.
* Involved in designing and deploying multitude applications utilizing almost all of the **AWS** stack (Including **EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM**) focusing on high-availability, fault tolerance, and auto-scaling in **AWS** Cloud-Formation Template (CFT).
* Designed **AWS** architecture, Cloud migration, **Dynamo** **DB** and event processing using **Lambda function**
* Managed storage in **AWS** using **Elastic Block Storage** **S3**, created Volumes and configured Snapshots.
* Implementation of **Spring Restful** web services which produces **JSON**.
* Developed a **JavaScript** performance testing toolkit for web and **Node.js** applications.
* Creating scripts in **DSL** Groovy which integrate with Jenkins for Automation to create seed jobs.
* Applied Agile Test Practices **SCRUM** , **Scripted Test Cases** for **Test Driven Development TDD** and developed test cases for story card based on Acceptance **Test Driven Development ATDD** .
* Implementing multi-tier application provisioning in OpenStack cloud, integrating it with **Jenkins** and **SonarQube** .
* Extensively worked in **Test Driven Development (TDD)** framework using **JUnit**.

Environment: Eclipse, Java, HTML, JSP, CSS3, JavaScript, Apache Tomcat Server8, Web Logic, Junit, Maven, GitHub, XML, Log4j, EJB, Cassandra, NoSQL.

**Client:** Discovery Inc, DC. Feb 2020 to Nov 2020

**Role:** Java Developer

**Responsibilities:**

* Used the functionalities to write code in **HTML5/HTML, CSS3, JavaScript, JQuery, Ajax, JSON,** and Bootstrap with **MySQL** database as the backend.
* Implemented Angular Router to enable navigation from one view to the next as agent performs application tasks.
* Worked on some of the new features of **Angular 12** like new if else syntax, ng-templates, and form validators.
* Worked Extensively with **Angular** CLI for creating components, **Services**, **pipes**, **Directives**.
* Customized components for each of the web page in **Angular**.
* Conducted extensive functionality testing by using **Jasmine** and **Karma**.
* Implemented the **Angular 12directives**, expressions and routing capabilities for bookmarking, filters, and validations.
* Created and implemented customized **Angular 12 services** to communicate with server and backend API components.
* Built the majority of the website's components using **Type script** and the **Angular 12** front-end development framework.
* Migrated to **Angular 12** and was used to route requests to various destinations, and custom directives were created to display data in the user interface.
* Designed dynamic and multi-browser compatible pages using **JavaScript.**
* Built **JavaScript** application with **Backbone.JS**, as well as using **Node.JS** for server-side rendering.
* Implemented unit test for testing **Angular 12** components with frameworks using **KARMA** and **JASMINE**.
* Developed solutions for leveraging the breadth of marketplace services, include **spring cloud services** (eureka, config, hystrix)
* Created data and security architecture patterns for **Microservices** in a co-existence scenario.
* New library development with micro services architecture using **Rest** **APIs**, **spring** **boot** and pivotal cloud foundry.
* Used **JUnit** and **Mockito** for writing test cases and used **JaCoCo** to have above 85% code coverage.
* Designed and implemented the **REST API** for the UI screen through the mobile user can leave their phone number and the convenient time so as to have the Customer Service Representative would call them back at the provided number and as per their mentioned convenient time.
* Created nightly builds with integration to code quality tools such as **SonarQube**.
* Created quality gates in SonarQube dashboard and enforced in the pipelines to fail the builds when conditions not met.
* Created **POC** of Authentication and Authorization with **OAuth2** **Spring Boot microservice**. **Utilized JWT** as tokenization scheme for **OAuth2**.
* Reading and downloading the **RabbitMq** queue using multithreading by allowing n number of threads to record data in the file on date wise.
* Implementation of and the transition to Oracle Business Intelligence (**OBIEE**) as the preferred enterprise reporting software.
* Using Fiddler and **POSTMAN** to test the Web **API** **RESTFul** Services.
* Developed unit tests and integration tests using **Junit** and **Mockito** frameworks.
* Implemented **Junit** test case Using Easy **Mock** and **Mockito** framework
* Apache **Maven**is used as Build tool to automate the build process for the entire application.
* Experience in providing highly available and fault tolerant applications utilizing orchestration technologies like **Kubernetes** and **Apache Mesos** on **Google Cloud Platform**.

**Environment:** Java 8.0, Spring 4, Spring Boot, JPA, JavaScript, Apache Tomcat, STS, Oracle 11g, Log4J, Angular.js (v7/8), JUnit, XML, Web Services, Micro Services, Kafka, AWS, Git, PL/SQL, Docker, Visual studio, Oracle, MongoDB, Jenkins, CI/CD

**Client:** Novartis India Pvt Ltd, India Jan 2018 - Jan 2020

**Role:** Java Developer

**Responsibilities:**

* Expertise in building strong websites confirming **Web 2.0** standards using **JQuery**, **Angular.js**, **React.JS, HTML5, XHTML, DHTML & CSS3** to develop valid code and table-free sites.
* Worked on **React JS** Virtual Dom and **React views**, rendering using components which contains additional components called custom **HTML** tags.
* Proficient at using **React JS** to render some advanced components on the server side, along with **Flux** **pattern** and **Redux** (RXJS) library.
* Developed **RESTful** Web-Services using **Spring-ORM**, **Hibernate** and **Jersey** to provide services for **AngularJS** application.
* Implemented Router Module of **Angular** 4 to make the whole project a **Single Page Application** and added routers according to the requirements.
* Using **Typescript** as programming language to create **OOP** **JavaScript** code to implement complex functionalities and calculation to project data on Tables
* Performed integration testing between **Account**, **Contact**, **Opportunity** and **Service** Request modules.
* Performed integration testing and write test cases using **Karma** and **Jasmine**.
* Once sorted by difficulty, the list of apps and supporting data is presented to stakeholders in a **Global Microservices** **Migration Readiness** Assessment Report.
* This report drives the migration strategy, approach, and schedule for both Senior Management and **microservices** implementation team.
* Architect of **RAPID**-**ML**, the first domain-driven modeling language for **REST** **APIs**. Used successfully in enterprise, midsize and nonprofit organizations to define core data models and adapt them dynamically to **REST** **APIs**. Built with **Java**, **Eclipse** **Modeling** **Framework** (**EMF**) and **Xtext**.
* Responsible for creating and maintaining the regular expressions used by the **URL** rewriting engine of Ovi Share that enabled **RESTful** **URLs** for the website and its web services.
* Recommend and develop strategy for integrating internal security model into new projects with **Spring Security** and **Spring Boot**.
* Developed some **Spring customized Dependency** Injections based on business logics.
* Used Spring **MVC** Transaction Management , **Spring/Hibernate Batch Transactions, Hibernate cache concepts**.
* Implemented **Object-relation mapping** in the persistence layer using **Hibernate (ORM)** framework.
* Demonstrated and modeled security patterns with **JWT** and **OAuth2**.
* Secured **Web** **API** **REST** services using **Jason** **Web** **Token** (**JWT**)
* Designing **RabbitMQ** queues and exchanges and binding relation between them.

Environment: Java, J2EE, Servlets, JSP, JDBC, Spring, Hibernate, SOAP, Web Services, SOAP UI, Bigdata, Pig, Hive, Apache Ant, CVS, Design Patterns, HTML, Java Script, AJAX, XML, SQL, PL/SQL, Oracle, SQL Developer, JUnit, Mercury Quality Center, UNIX.

**Client:** Health Care Service Corporation – Hyderabad, India May 2015 – December 2017

**Role:** Junior Java Developer

* Developed the web tier using **JavaScript** and **Spring MVC**.
* Used Spring Framework for the implementation of the application.
* Integrated Spring Dependency Injection into different layers.
* Used **Hibernate** for object relational mapping and used **JPA** for annotations.
* Implemented **RESTful** web services using **Apache-CXF** framework.
* Created **DAO** for addition, modification and deletion of records using various specification files.
* Implemented interface sub classes using **Lambda Expressions**.
* **Developed UI** for internal users using **Spring MVC**, **Ajax**, **jQuery**, **AngularJS** and **JSON**.
* Implemented design patterns like singleton, **MVC, DAO**, value objects and **DTO** to transfer data between the different tiers and decrease the network traffic when invoking remote objects.
* Wrote the **web service code** to interact with other applications.
* Deployed the application in **WebSphere Server**.
* Designed and developed persistence layer using spring **JDBC** template.
* Completed unit testing of various modules in generating the test cases.
* Used **SVN** and **GitHub** as version control tool and Maven for build and management.
* Converted the **HTML** pages to JSF tag specific pages.
* Developed **JSPs** and managed beans using **JSF**.

Environment: JavaScript, AJAX, jQuery, JSON, XML, XSL, JPA, JPS, WebSphere, Maven, Apache Tomcat, Apache Axis, SOAP, WSDL, UDDI, MQSeries, Spring

USHA International Limited, Hyderabad, India

June 2013 – April 2015

Java Developer

Responsibilities:

* Involved in the implementation of design using vital phases of the Software Development Life Cycle (SDLC) that includes **Development, Testing**, **Implementation** and **Maintenance Support**.
* Develop presentation tier using **JSP**, **Java Script**, **HTML**, and **CSS** for manipulating, validating, customizing, error messages to the User Interface.
* Developed the applications using **Java**, **J2EE**, Struts, **JDBC**
* Worked extensively on **SOAP** Web Services, **XML**, **JMS**, and **Spring Controller**.
* Experience in developing both **SOAP** and **REST** based web services using **Jersey**, **Spring** and **CXF**. Extensive experience in **JSON**, **JAXB**, **JAXP** and hands on experience creating Web Services based on **REST** framework.
* Extensively worked with Spring **JDBC** **MySQL** databases and developed **SQL** queries to process the data.
* Developed a Java based **ETL** tool which extracts data from sources like **IBM** Cognos (xml) & **MySQL** and dumps data in the target tables in **MySQL** database.
* Coded Gradle build scripts to build and deploy the application on **WebSphere**.
* Good conceptual skills with Version Control and there-by possess a good understanding of Git, CVS, VSS and SVN.
* Hands on working experience Linux environment with **Apache** **Tomcat**, experience on Amazon **AWS**. Expertise in database modelling, administration and development using **SQL, PL/SQL**, toad in Oracle **IBM DB2** and **SQL Server** environments.

Environment: Java, J2EE, Kafka, MySQL, Git, CVS, VSS, SVN, Gradle, Spring JDBC, SOAP, Webservices, Strut, HTML, JavaScript, Spring Controller, Apache Tomcat, Linux, DB2, CSS, JSP, JSON.

Educational Details:

* I completed my master's from Christian Brothers University in computer science and information systems in the year 2021.
* I completed my bachelors from anna university in computer science in the year 2015