**NILAVARDHAN REDDY**

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**FULL STACK JAVA DEVELOPER**

Over 8 years of experience in building enterprise level multi-tier applications using **Java/J2EE** and **Angular 2** technologies.

**PROFESSIONAL SUMMARY**

* Experience in full **SDLC** from gathering requirements, analysis, design, implementation, testing, deployment & support activities.
* Expertise in web technologies such as **Angular 2**, **Backbone.js, JSP**, **AJAX**, **JSON**, **Servlets**, **HTML5**, **CSS3**, **JavaScript**, **JQuery, React JS**.
* Good knowledge in **Angular 2 controllers**, **Bootstrap**, **Events**, **Routing**, **Modularity**, **Dependency** **Injection**, **Services** and Custom directives for development of single page applications (**SPA**) using **MVC** architecture.
* Hands-on experience in **Java/J2EE technologies** including **Spring**, **Hibernate**, **Servlets**, **JSP**, **JMS**, **Struts**, **JSF**, **JSP** Custom Tags Libraries, JavaBeans, JDBC.
* Proficient in Core Java concepts **Multithreading**, **Exception handling**, **Collections,** **Serialization**, **Executor Services**, **IO** operations, Java Beans.
* Extensively used **Spring framework** features **Dependency Injection**, **Inversion of Control**, **Spring MVC**, **Spring JDBC**, **Spring AOP**, **Spring Boot**, **Spring Security**.
* Experienced in persistence framework **Hibernate/JPA** Hibernate Query Language (**HQL**), HSQL Named Queries, Criteria, Projections.
* Implemented projects using various OOPS concepts and designpatterns such as **Singleton**, **Prototype**, **Factory**, **Abstract** **Factory**, **MVC**.
* Experienced in implementing Service Oriented Architecture (**SOA**) and Web Services using **SOAP**, **REST**.
* Hands on experience in configuration and deployment of web application in servers **Apache Tomcat**, **WebLogic, IIS**.
* Hands on experience with build tools **Ant**, **Maven**, **Gradle** and Logging tools **log4j** and **Splunk**.
* Experience working in the **UNIX** Environment including writing **shell scripts**.
* Good working experience in RDBMS through Database Design, writing queries, **Stored Procedures**, Functions and Views in databases like **Oracle, SQL Server**, and No SQL databases like **Mongo DB**.
* Expertise in **managing database objects** such as Schema, Stored Procedures, Functions, Triggers, SQL queries, also worked on **SQL** and **PL/SQL** programming.
* Worked on build and deployment tools such as **Jenkins** and **Team City** for continuous integration.
* Working experience in Cloud programming, configuration, deployment and support of cloud services including **Amazon Web Services** – **AWS**, **AmazonEC2**.
* Designed and developed highly scalable Java application using AWS Elastic Load Balancing, Ec2 VPC and **S3**.
* Well versed with various application **IDEs** Eclipse, IntelliJ Idea, Visual Studio Code, NetBeans.
* Used **JavaScript testing tools** such as Karma, ProtractorJs.
* Strong exposure to **Agile** (**SCRUM**), **Waterfall** and Test-Driven Development (**TDD**).
* Supported applications in production environment and enhancements, new features and bug fixes.
* Versatile team player with good-communication, analytical, presentation and inter-personal skills.

**TECHNICAL EXPERTISE:**

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| **Technologies** | JAVA, J2EE, JDBC, JSP, JSF, JMS, Active MQ, Rabbit MQ |
| **Web Technologies** | Angular 2, TypeScript, JQuery, JSON, HTML5, Backbone.js Bootstrap, Node.JS, React JS, JavaScript, AJAX, CSS3, XML, XSLT, JAX-RS, JAX-WS, Express JS, Bower, Grunt. |
| **Web Services** | SOAP, RESTFUL, Microservices |
| **Spring & Hibernate** | Spring MVC, Spring Core, Hibernate, Spring Boot |
| **Database** | Oracle 11g/9i/8i, MySQL, MS SQL Server 2000, MongoDB, AWS |
| **IDEs** | IntelliJ, Eclipse, Visual Studio Code, SQL Developer, Spring Tool Suite |
| **Application Servers** | Apache Tomcat, IBM Web Sphere and IIS. |
| **Tools** | Maven, GIT, SVN, JIRA, Docker, Jenkins, Crafter Studio, Webtools |
| **OS** | Linux/UNIX, Windows |
| **Scripting Languages** | Shell Script |

**PROFESSIONAL EXPERIENCE:**

**Papa John’s International**

**Louisville, KY Jan 2018-Present**

**Role: Java Developer**

**Description: Papa John’s International** (PJI) is the third largest Pizza chain in United States. Papa John’s Global digital project’s goal is to dramatically improve sales performance, increase profits, and strengthen our commercial, digital, and analytics capabilities by empowering every member of our sales and strategic pricing teams to make data-driven decisions that enhances their success and provides better value to our customers. It has initiated to add new ordering channels such as Postmates and DoorDash and took great initiation in creating a new Loyalty Program.

**Responsibilities:**

* Involved in Requirement gathering, Design, Analysis and Code development by **Agile** & **Scrum**.
* Developed UI pages using **HTML5, CSS3, JavaScript, jQuery** and used Boot Strap for creating responsive web pages. Designed configuration **XML Schema** for the application and used **JavaScript** for the client-side validation.
* Created UI interfaces to manage user menu and Bulk update of Attributes using **Angular, and jQuery.**
* Configured **GemFire** caching framework and used **GemFire Spring** templates to read the data from **cache**.
* Used **advanced java 8** features like **Lambda expressions** for array operations, collections.
* Used **Spring inheritance, Auto-wiring, Core Containers, ORM modules** and **Spring Quartz** for scheduling tasks to generating reports and emails to clients.
* Experienced in implementing **Microservices**, Service Oriented Architecture **(SOA)**.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status. Developed **REST Web Services (WS)** to consume those WS as well other **enterprise wide WS.**
* Used Spring Core Annotations for **Dependency Injection** and Spring MVC for **RESTAPI**’s and **Spring Boot** for **Microservices**. Used **Spring Security** for **session fixation, clickjacking.**
* Implementing the **Micro service** architecture with **Spring Boot** based services interacting through a combination of **REST**.
* Developed **microservices** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each **microservice** in a cluster can be load balanced and exposed through one API gateway.
* Developed API for using **AWS Lambda** to manage the servers and run the code in the **AWS.**
* Oracle Coherence caching system in clustered distributed schema.
* Implemented SOA architecture developing web services based on REST using **JAX-RS** with **Maven** dependencies.
* Worked on **Oracle11g** database concepts like locking, transactions, indexes, sharing, replication, schema design. Worked on creation of custom **Docker** container images, tagging, pushing images, integration of **Spring boot.**
* Created tables and worked on **SQL** and **PL/SQL** to write Stored Procedures functions and packages for complex inserts and updates in the DB.
* Looking into the **Splunk** logs for hidden application errors. Created **Test automation** using **Cucumber**.
* Used **JENKINS** for **continuous integration (CI)** and **continuous deployment (CD)** pipeline.
* Used **Maven** as a build tool for compilation and building **JAR**, **WAR** and **EAR** files and retrieved all the **dependencies** required for the running the application, **Log4J** for logging errors and control log statements.
* Writing **unit** and **integration** test cases to verify correct functionality of business logic and to **validate** the input data.
* Working with team collaboration tools like **Confluence** for documentation, **Git** for versioning control, and **Jira** for task management for team collaboration.
* Work with team members to **prototype**, **refine**, **test** and **debug** programs to meet needs.
* Excelling in rapid application **development** and management of technical matters of assigned tasks to ensure the quality output.
* Write and maintain **technical** specifications, **documentation** to describe program **development**, **coding**, testing, changes and **corrections**, **installation** and operation of developed **software**.

**Environment**: HTML5, CSS3, Bootstrap, JavaScript, Angular 2, JAVA, J2EE, Spring MVC, SOA, RESTful web services, Spring Boot, GemFire cache, Crafter studio, Webtools, JSON, Node.js, ORM, Spring IO, Hibernate, Oracle, Mongo DB, Jenkins, Eclipse, Apache Tomcat, GitHub, Eclipse, IntelliJ, Agile.

**Walgreens**

**Chicago, USA May 2016 to Dec 2017**

**Role: Full Stack Java Developer**

**Description:** Walgreens website provides the facility of online shopping where we can see the products, search and buy it online. Pharmacy orders also can be applied online and check the status. This has mobile and Tablet compatibility as well. I have worked on this website for Adaptive methodologies. Walgreens wants to reconstruct the website using Adaptive method.

**Responsibilities:**

* Designed layouts on the front-end and developed web pages for smart phones, tablets and personal desktops using **HTML5**, **CSS3**, **Bootstrap**, **jQuery**, **Angular 2**, **JavaScript**.
* Involving in **MVC** architecture in developing the apps, **controllers** and **directives** which are totally customized to meet the needs of the application.
* Developing forms with new validations and created **Single Page Application**.
* Using **Angular 2** Router to build single page application for navigate through the different **models** and **components**.
* Hibernate an ORM framework was used on DAO layer to persist application data into Oracle database.
* Used **Bootstrap** and **Node.js** in effective web design.
* Developed **Web API** using Node.js and hosted on multiple load balanced **API** instances.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by Angular 2 and NodeJS.
* Extensively working with making **RESTful** web service calls to fetch the data from the backend as **JSON** response and parse it on the UI for **DOM/CSS** manipulation.
* Implementing **jQuery** to improve the overall usability of the **website** interface.
* Creating **cross-browser** compatible and standards-compliant **CSS**-based page layouts.
* Improved overall performance via **multithreading**, **collections**, **synchronization**, and **exception handling** strategies.
* Using multithreading for writing the collector parser and distributor process in getting real time data from Jackson API as a JSON format.
* Implementing **Hibernate** utility classes, **session factory** methods, and different annotations to work with back end data base tables.
* Implemented **Spring Boot Microservices** to divide the application into various sub modules.
* Used **Spring Framework** and **Hibernate** for server-side implementation.
* Used **NoSQL** DB like MongoDB for the proof of concept.
* Used **MongoDB** as data storage and utilized aspects like replica **sets**, **sharding** and clever document design to make service extensible scale and feature wise.
* Optimized the full text search function by connecting to MongoDB.
* Used **agile** scrum methodology and involved in all the business meetings and status update meetings as a part of scrum.
* Worked on **Git** as version control management and **JIRA** as Defect management for bug, issue tracking of application.
* Communicating and involving in testing with **QA team** which involved **cross browser testing**, loading and performance checking.
* Participate in Daily Agile Scrum "**Stand-up**", Biweekly **Sprint** Planning and **Retrospective** Sessions and update the team on status of upcoming User Stories.
* Work with all members on project teams to ensure clear written and verbal communications.

**Environment**: HTML5, CSS, Bootstrap 3, JavaScript, Angular 2, Backbone.js, React JS, RESTful web services, Spring Boot, JSON, Node.js, GIT, JAVA, J2EE, Spring MVC, SOA, ORM, Micro services, Jenkins, Spring IO, Hibernate, Eclipse, Apache Tomcat, AWS, DOM, Eclipse, Oracle, Mongo DB, Agile.

**OptumInsight**

**Minnesota, USA February 2015 to May 2016**

**Role: Full Stack Java Developer**

**Description:** OptumInsight provides software and information products, advisory consulting services and business process outsourcing to participants in the health care industry. Hospitals, physicians, commercial health plans, government agencies, life sciences companies and other organizations that comprise the health care system work with OptumInsight to reduce costs, meet compliance mandates, improve clinical performance and adapt to the changing health system landscape.

**Responsibilities:**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application using Agile Model.
* Developed web application using Spring MVC, IOC, DI modules.
* Used Angular JS MVC Framework in the development of the web applications.
* Worked with Node.JS framework including authoring complex directives, services, controllers and filters.
* Implementation of Web Design based on CSS, HTML, and Bootstrap Front-End Framework.
* Used backbone.js for connecting the API's which enforces the communication to the server.
* Converted data between Java Objects and JSON & XML for communication between java services and UI.
* Implemented Rest web services to send and receive the data from database.
* Worked on RESTful APIs using Express JS and Node.js. Implemented mock services in Node JS with the help of modules using Node.js server. Used Tomcat Application Server for building, testing and deploying application locally.
* Hands on experience with multithreading, Concurrency, Exception Handling, File handling, IO, Generics, Data structures and Collections, Garbage Collection.
* Package creation with Maven, Jenkins.
* Developed server-side services using Java, spring, Web Services (Restful, SOAP, WSDL, JAXB, JAX-RPC), SOA (Service oriented architecture).
* Worked with core Java code extensively using interfaces and multi-threading techniques.
* Implemented Business logic in the middle-tier using Java classes, Java beans.
* Create text message using a configuration file for data mapping and utilize Java Messaging Service (JMS) API to the transaction message to other application via Message Queue (MQ).
* Designed and implemented the MongoDB schema. Wrote services to store and retrieve user data from the MongoDB for the application on devices.
* Designed documents and collections with the MongoDB for the application.
* Used Maven Script for build creation and to push onto various environment.
* Experienced use of project management software (JIRA) for Issue Tracking, Maintaining Tickets specific to bug fixes and enhancements.
* Used Log4j to print the logging, debugging, warning, info on the server console.
* Package creation with Maven, Jenkins. And used Jenkins for Continuous integration and continuous testing.
* Used GIT for version control.

**Environment:** AngularJS, Node.js, Backbone.js, Java, J2EE, Micro services, Spring, Hibernate, JSP, XML, jQuery, Bootstrap, AJAX, JSON, JavaScript, HTML, CSS, SOAP, JAX-WS, JDBC, AWS, Jira, DOM, Maven, Apache Tomcat, Jenkins, Junit, Mockito, SQL SERVER.

**AAA Insurance**

*Dallas, TX August 2013 to September 2014*

*Role: Java Developer*

**Description:** AAA Digital Services team is responsible to develop/maintain both Customer and Agent portals. Customer portal is for AAA customers who can check their insurance policies online and maintain their premium payments, policy documents etc. Agent portal has similar behavior but is meant for AAA agents who can help their customers.

**Responsibilities:**

* Developed user specific Highlights (dashboard menu) section, Home page, Admin home page, user module (Modify/search users, create user screens with assigning various roles) using Spring MVC framework, Hibernate ORM Module, Spring Core Module, XML, JSP and XSLT.
* Design and development of many PL/SQL batches using JAVA with connectivity to Oracle for data maintenance and handling.
* Used Apache Camel Integration pattern.
* Testing the web services using SOAP UI user can do CRUD operation returning into JSON.
* Created database tables, functions, Joins and wrote prepared statements using PL/SQL.
* Engaged with Eclipse for visually designing, constructing, testing and deploying J2EE application and web services.
* Created Maven build file to build the application.

**Environment**:Java, J2EE, Spring, Hibernate, jQuery, Ajax, JavaScript, Oracle, PL/SQL, JDBC, REST, Node.js, JSP, Apache Maven, Eclipse, SVN, GitHub.

**Wave Crest**

*Fort Lauderdale, FL February 2012 to August 2013*

*Role: Java Developer*

**Description:** The project aim is to develop a Wallet platform for the Wave Crest Payment Technology. With the developed Wallet framework, Customers can create the wallet accounts and can apply for the MyMonedero Virtual/Physical cards and customers can register the third-party cards to load and unload the money from wallet accounts. I am part of the card services team, where our team is responsible for card creation and managing the card. I have developed the feature to transfer the money from one card to another card.

**Responsibilities**:

* Involved in each phase of SDLC like design, development and testing of the application.
* Implemented frameworks like Spring MVC, IOC, DI modules.
* Involved in the JMS Connection Pool and the implementation of publish and subscribe using JMS. Used JMS to consume messages from the JMS provider.
* Developing the application using Spring and Hibernate based frameworks.
* Implemented J2EE standards, MVC architecture using Struts Framework.
* Extensively used Core Java such as Exceptions Handling and Collections.
* Experience using SOAP UI to test the existing services. Responsible for consuming Web Service from WSDL.
* Developed REST/HTTP APIs and used JSON file as communication between java object and UI.
* Developed test cases for unit testing before the QA release.
* Deployed the application on Tomcat Application Server.
* Used JUnit framework for unit testing of application and Log4j to capture the log that includes runtime exceptions.

**Environment**: Core Java, J2EE, Spring, Apache Tomcat, Maven, Struts, Hibernate, Eclipse IDE, SOAP, REST, Linux, JMS, Oracle.

**Optum Health**

*Phoenix, AZ June 2011 to January 2012*

*Role: Java/J2EE Developer*

**Description:** Optum Health is part of the family of companies that make UnitedHealth Group one of the leaders across most major segments of the US health care system. ESync Health Portal enables User's (Consumers) to compile and maintain their Personal Health Records, Health Assessment, and information in a secure, central location.

**Responsibilities:**

* Requirement gathering, Gap analysis, workflow design, decision-making rules, source and destination of required inputs.
* Designed and Implemented MVC architecture using Spring framework.
* Developed the Java components to access content from content providers to obtain data of various type HTML.
* Developed and maintained GUI using JSP and HTML.
* Created stored procedures and Triggers using PL/SQL. Created tables, Views and other database objects in the Oracle database.
* Performed unit and system testing. Created test Plan, test cases. Used JUnit to test the code.
* Involved in debugging and load-testing of the application.
* Used GIT as version control tool and Maven as build tool.

**Environment**: JAVA, J2EE, JSP, Spring MVC, JavaScript, Oracle, JDBC, Core Java, Eclipse, EJB, JMS, AJAX, XML, XSLT, HTML, CSS, Web Sphere, PL/SQL, Junit, Log4j.

**Education:** Bachelors in Electronics and Communication, JNTU- 2011.