

Pavan Kumar Reddy Vanguru
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817-756-6114
Sr. Java Full Stack Developer

PROFESSIONAL SUMMARY:-

- Over 8 + years of experience in delivering enterprise solutions in multiple domains. Expertise in conceptualizing, designing and coding technical solutions using **Java/J2EE** and **UI** technology stacks to satisfy complex business problem statements.
- Expert in Various Agile methodologies like **SCRUM, Test Driven Development (TTD), Incremental and Iteration methodology, Pair Programming, Agile Development & Testing using Software Development Life Cycle.**
- Experienced in **Full stack UI technologies** using **Gruntjs, Gulp Server, and Yeoman generator for Angular.**
- Expert level skills on **JSON, HTML, DHTML, CSS, Dools, Tiles, Tag Libraries** and UI frameworks - **Twitter Bootstrap, Materialize CSS, jQuery Mobile.**
- Experience with **jQuery, Ajax, JavaScript, Nodejs, ReactJs , BackboneJs , AngularJs , Angular 2.x/4.x** and Client-side validations.
- Experienced in Java **Web- based, Desktop Based Development** with Concepts of **Object Oriented Design (OOD), Object Oriented Analysis (OOA), Object Oriented Programming (OOP)** and its implementation.
- Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using **Java 8**
- Expertise in the implementation of **Core Java** concepts of Java , J2EE Technologies: **JSP, Servlets, JSF , JSTL , EJB** transaction implementation (CMP, BMP, Message- Driven Beans), **Struts , Spring, Swing, Hibernate, iBatis, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data structures.**
- Experience in Spring Modules **Spring MVC, AOP, IOC, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Hystrix , Spring Dashboard, Spring Zuul , Spring Security.**
- Experienced in developing web- applications using various design patterns, including **session facade, MVC, Data Access Object, Singleton and Factory Pattern.**
- Proficient in using **Amazon Web Services (AWS).** Extensive experience focusing on services like **EC2, Elastic Beanstalk, CloudWatch, CloudFront, CloudFormation, IAM, S3, RDS, ElastiCache, SNS, SQS, AMI.**
- Experience with **Docker** containers, leveraging Linux Containers and AMI's to create **Docker Images/containers.**
- Experience with messaging systems like **Kafka, Kafka event sourcing.**
- Worked on (JMS) MQ's like **Rabbit MQ, IBM MQ** and **Active MQ.**
- Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as messaging service.

- Good Working Experience in Apache Frameworks like **Apache CXF, Apache Camel** and **Apache Velocity**.
- Experience in designing **point- to- point** and **publish & subscribe** java message- oriented middleware models (**MOM**) using **Active MQ, Rabbit MQ, IBM MQ** and **Strom MQ**.
- Experienced in building Web Services using **SOAP** and **RESTFUL**.
- Expertise in **XML** technologies such as **DTD/Schemas, DOM, SAX, XSLT, XPATH, Castor**.
- Experience in configuring and deploying the applications on **Tomcat 5.x/4.x/3/x** ., **GlassFish** , **WebSphere 6.x/5.x/7.0, Web Logic 9.x/8.x/7.x/6.x**, and **JBoss** Servers.
- Experienced in developing **UNIX shell scripts** for batch processing.
- Experience in **database modeling, design** and **development** of **PL/SQL** stored procedures, packages in relational databases: **Oracle 9i / 10g / 11g, SQL Server 2005/2008, DB2, PostgreSQL** and **MySQL**.
- 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**.
- Good Experience in software configuration management using **CVS, GIT** and **SVN**.
- Experienced in performing **unit testing** using **JUnit, Test NG, Mockito** , integration and deployment of applications using tools such as **ANT, Maven, Gradle, Jenkins** & debugging through **log4j** and **Splunk**.
- Used **Spring Security** to handle user authentication and authorization
- Created Test automation framework using **Cucumber** and **Selenium** web driver.
- Knowledge of writing rules directly in the **Drools Rule Language** (DRL), and decision table.
- Expertise on UI testing with **Karma, Mocha, Jasmine** and **Chai**.
- Experience using secure authentication mechanisms like **LDAP, SASL** and **Kerberos v4**.
- Good knowledge on dependency management tools such as **NPM** and **Bower**.
- Developed Interactive graphs using **D3.js** with JSON data.
- Knowledge on tools like **BigF5, Gomez**.

TECHNICAL SKILLS:-

Languages:	Java 1.5/1.6/1.7/1.8, J2EE, UNIX Shell Scripting, Python 3.6.0, Scala 2.12.1,
Web Technologies:	HTML/HTML5, DHTML, XML, CSS, Bootstrap, JSF, JavaScript, SERVLET, JavaBeans 3.0, Java Servlets API 3.0, AJAX.
Frameworks:	Spring 4.3, Hibernate 4.3, Angular JS 1.0/1.5/2.0, Struts 2.x/1.x, Log4J.
Application/Web servers:	Apache Tomcat 8, IBM WebSphere 8.x/9.x, Jetty, Jenkins 2.50, JBoss Drools Tomcat 5.0/6.0/7.0, Glassfish, WildFly.
Relational Databases:	Oracle 8i/9i/10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1.
	HTML 5, JavaScript 1.8, XML 2.0, CSS 3 and CSS 4, JQuery 2.11, Angular JS

Internet Technologies:	1.3.1, Polymer.JS, Node JS 6.0.
JAXWS, JAXRPC, JAX:	RS, SOAP, WSDL, UDDI, REST, SOAP UI.
AWS Skills:	EC2, Simply Storage Service, Cloud Front, Relational Data Base, Virtual Pr 53, Cloud Watch, Cloud Trial, Identity and Access Management, Simple N AWS EMR, AWS CLI.
Windows, MS:	DOS, UNIX, Mac OS, Linux and Ubuntu.
Testing Tools:	J unit 4.12, Win Runner, Jenkins, Selenium WebDriver/Grid, JIRA 7.0., B Jasper Reports 6.0
Methodologies:	Agile, waterfall, TDD (Test-Driven-Development), Scrum, SDLC.
Developer IDE Platforms:	Eclipse, Edit plus, Notepad ++, TEXT PAD, JBuilder, Net Beans 8.0.2, Int Tool Suite (STS) 3.8.3, GITHUB 2.12.0.
Build Tools:	Ant 1.10, Maven 3.3.9, Gradle 3.4.1.

PROFESSIONAL EXPERIENCE:-

Sony Music, New York, NY November 2022 - Present

Sr. Java Full Stack

Sony Music Corp stands as a prominent global music entertainment enterprise, renowned for its diverse artist roster and innovative contributions. With a rich legacy, the company has consistently shaped the industry, delivering exceptional musical experiences to a worldwide audience.

Responsibilities:

- Responsible for **React** UI and architecture. Building components library, including Tree, Slide- View, and Table Grid.
- Responsible for Building applications using **React.js** which allowed us to render pages on both the client and server using the same codebase.
- Implemented **React.js** code to handle cross browser compatibility issues in Mozilla , IE 7, 8, 9, Safari and FF. Used **Babel** plug-in tool for conversion of **ECMA versions** to support all type of browsers.
- Developed the flux pattern by using **Redux** framework as a core dependency.
- Integrated **Redux** data store allowing React components to have access to data resulting in highly maintainable code.
- Used "**RabbitMQ**" queues for reliable and asynchronous messaging exchange.
- Used **React-Router** to turn application into Single Page Application.
- Used Java- J2EE patterns like **Model View Controller (MVC), Business Delegate, Data Transfer Objects, Data Access Objects**, factory patterns.
- Designed and developed the End Points (Controllers), Business Layer, DAO Layer **using Hibernate** and **Spring IOC (Dependency Injection)**.
- Extensively used **MVC, Factory, Delegate** and **Singleton design patterns**.
- Developed **microservices** architecture using Rest APIs, **spring boot** and **pivotal cloud foundry**.
- Developed **REST Web Services** clients to consume those Web Services as well other enterprise wide Web Services.

- **Spring security** is used for authentication and authorization and to provide protection against attacks like **session fixation**, **clickjacking** and **cross site request forgery**.
- **Spring batch** programming is executed by using quartz scheduler.
- Developed and consumed **REST API** for the Microservices module and token- based authentication for REST services using **Spring Security** to verify users.
- Developed and implemented application using **Drools BRMS** and integrated with **Magento** e-commerce API
- Experienced with event-driven and scheduled **AWS Lambda** functions to trigger various **AWS** resources.
- Implemented **Rabbit MQ** Services for reliable and asynchronous exchange of information.
- Used **Hibernate** framework for back end development and **Spring DI** for middle layer development.
- Used **Spring MVC Transaction Management and Hibernate cache** concepts.
- Modified the **Spring Controllers and Services** classes to support the introduction of spring framework.
- Creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch and developing **Docker** images to support Development, Testing Teams and their pipelines, distributed **Jenkins**, **Selenium** and **JMeter images**, and **Elasticsearch**, **Kibana** and **Log stash**.
- Deployed Docker contained Spring boot microservices in to AWS EC2 container service using AWS admin console and used **AWS Lambda** to run applications in AWS console.
- Installed **Pivotal Cloud Foundry (PCF)** on EC2 to manage the containers created by **PCF**.
- Used **Docker** to provide virtualize deployment containers and push the code to **EC2** cloud using **PCF**.
- Experience in working with big data platform with a combination of **Hive MQ**, **Cassandra** and **Spark**.
- Worked with high volume and complex **PL/SQL stored procedures** and **packages** using **TOAD**.
- Experience in data structure design, Data Modeling in **Cassandra**.
- Developed **JUnit**, **Chai**, **Mocha** and **Gulp** test cases for unit, integration, and functional tests.
- Ran Log aggregations, website Activity tracking and commit log for distributed system using **Apache Kafka**.
- Developed Rules using **Rule Engines- JBoss Drools , Work flows , human tasks** to implement Business rules validations and provided **Drools Dashboard** for Business users.
- Used **Log4j** to print logging, debugging, warning and info on server console. Debugged the **MAVEN** scripts for building entire web application.
- Implemented **Cucumber** for behavioral testing of application.
- Developed reusable UI components using ES6, Handlebars and **Webpack**.

Environment: React.js, Node.js, Babel, Redux, Bootstrap, Docker, Jenkins, Pivotal Cloud Foundry (PCF), Docker, Cassandra, JUnit, Drools, Chai, Mocha, DB2, Gulp, Spring Boot, Spring Security, Spring MVC, Hibernate, Apache Kafka, Rabbit MQ, Log4j, MAVEN, Cucumber, Webpack, Babel.

Best Buy, Atlanta, GA January 2021 - October 2022

Sr. Java Developer / Backend Developer

Best Buy is a prominent American retail corporation, recognized for its extensive presence as a consumer electronics and appliances retailer. As a leader in the industry, Best Buy offers a wide range of products, serving customers through its numerous stores across the United States. Renowned for its commitment to quality and customer experience, the company holds a notable position in the retail landscape.

Responsibilities:

- Involved in various phases of **Software Development Life Cycle (SDLC)** of the application.
- Developed applications using **Angular2, Java8** and new features of java (lambda expressions).
- Developed screens using **HTML5, CSS3, SASS, JavaScript, jQuery** and **AJAX**.
- Design and developed the application using framework **Angular 2** with **HTML5, CSS3** and **Typescript**.
- Developed UI components using **Angular 2 dependency Injection**, Models, data binding and controllers.
- Implemented **Angular 2** Router to enable navigation from one view to another.
- Used **Protractor** to perform **End to end testing** for single page application developed using **Angular 2**.
- Developed Application to assess **JSON** and **XML** from **Restful** web service from consumer side using **Angular 2**.
- Experience with Responsive Web Design, **Bootstrap** and **Plygrid** framework.
- Developed various generic **JavaScript, Angular functions** to implement client-side validations.
- Involved in developing **Thread Safe** blocks for **multithread** access and distributed transaction management.
- Created and injected **spring** services, controllers and DAOs to achieve **dependency injection**.
- Heavily used **Spring Inheritance, Auto-wiring, Core Container, Security, AOP, Spring Quartz** for scheduling tasks to generate reports and emails to clients.
- Developed Persistence layer using **Spring Data** to interact with the Database.
- Developed Spring **Restful/Microservices** and implemented **Spring Restful/ Microservices** and implemented **Spring Eureka, Netflix, Ribbon** as part of **Services Discovery** using **Apache Axis**.
- Implemented **Spring MVC** flow to interact with different modules and extensively used **Spring AOP** and **Dependency injection** during various modules of project.
- Developed with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each **spring service** in a cluster can be load balanced and exposed through one API gateway.
- Used **Micro service s** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
- Implemented **Spring Circuit breaker** pattern, integrated **Hystrix dashboard** to monitor **Spring microservices**.
- Implemented Authentication & Authorization with Site Minder and **Spring security**.
- Implemented **REST** based web services using **JAX-RS** annotations, **Jersey provider** and consumed using **HTTP** services from **angular 2** modules.
- Used Amazon Web Services (**AWS**) like **EC2, S3, cloud watch** and **Elastic Bean Stalk** for code deployment.
- Writing Entities in **Java, Play Framework** along with named queries to interact with database.
- Experience in Updating, Modifying queries in **Oracle 11g**.
- Composed and executed **MongoDB** scripts to insert and update **NoSQL** database and reporting.
- Used **GWT** and **Amazon AWS (EC2/S3/EBS)** for prototyping and subsequent evaluation.
- Developed quality code adhering to **Scala** coding standards and best practices.
- Worked with **Kafka Cluster** using **ZooKeeper**. Developed Applications using **Rule Engines- Jboss Drools 4.x, Work flows, Human tasks** to implement Business rules validations.
- Developed data transformer for converting legacy data from Source tables to avro format and fed into **Kafka** using **Camel**.
- 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 with the **Node package manager** along with **Karma, Jasmine, Grunt** and **Bower** for test and build.
- 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.
- Used **Maven** and **Jenkins** to automate the build and deploy process and **Git** were used for project management and version management.

Environment: Java 8, Spring MVC, Spring Boot, Angular 2, HTML5, CSS3, JSON, JavaScript, Node.js, Spring Data, Protractor, Mongo DB, Oracle 11g, DB2, IntelliJ IDEA, JUnit 4.4, Mockito, Git, Selenium, Scala, Spark, Drools, AWS, Docker, Spring Cloud, RESTful web services, Apache Tomcat, Apache Kafka, Camel, Maven, Jenkins, Karma, Jasmine.

AT&T, Dallas, TX April 2019 - December 2020

Java Backend/J2EE Developer

AT&T stands as a prominent telecommunications conglomerate, providing a comprehensive range of communication and entertainment services. With a significant presence in the industry, AT&T offers innovative solutions in wireless, internet, TV, and more. As a trailblazer in connectivity, the company plays a pivotal role in shaping the way people connect and communicate in the modern world.

Responsibilities:

- Designed, coded, implemented, optimization and tested new features and modules for the derivatives system as part of an **Agile** team and improved automation test suites.
- Utilized Modernizer extensively to build **HTML5/CSS3** based page layouts that are cross-browser compatible.
- Implemented client- side Interface using **React JS**. Worked on responsive design and developed a single **ISOMORPHIC** responsive website that could be served to desktop, Tablets and mobile users using **React JS**.
- Implemented application testability and diagnostics and fixing bugs with the help of **REDUX (Reducers)** architecture.
- Utilized create- react- app to launch product to stay update with current **Webpack** and **Babel** build configurations.
- Handled **HttpRequests** using **Axios** which supports Promise API functionality native to JS **ES6**.
- Gained Knowledge on Electrode Platform NodeJS/Web platform built on top of the ReactJS and HapiJS frameworks.
- Developed Web API using **Node JS** and hosted on multiple load balanced API instances.
- Developed **Spring Boot** to fasten the application for removing boiler plate configurations.
- Used loosely coupled architecture **Spring Boot**. Developed **Microservices** in the application by using **Spring Boot**.
- Developed **Microservices** for service oriented architecture to build flexible and independently deployable software.
- Developed **REST Web Services clients** to consume those Web Services as well other **Enterprise Wide Web**

Services.

- Worked with **Spring AOP** module to perform logging operations.
- Developed independent **Microservices** using **Spring Boot** Rest Controller model and are deployed on UNIX boxes.
- Employed **Spring Boot** for initialize and bootstrapping the build configuration for the boot based web applications.
- Development of cloud hosted web applications and **REST APIs** using **Spring Boot** with embedded **Tomcat**.
- Extensively Used Jenkins as Continuous Integration tools to deploy the **Spring Boot** Microservices to **Pivotal Cloud Foundry (PCF)** using build pack. Used Pivotal Cloud Foundry to quickly build, deploy and update the applications.
- Utilized **Hibernate** for **Object Relational Mapping** (ORM) purposes for persistence on to the database.
- Developed different join strategies with **Hibernate** to improve performance while retrieving collection items.
- Used **Spring MVC, AOP, IOC** and **Hibernate** to establish the Connection with Database for Stored Procedures.
- Involved in implementing Queries to the backend **MongoDB** database using Http service to fetch **JSON** contract.
- Unstructured data was handled using **Mongo DB** and used Mongoose Connector for connecting to database.
- Composed and executed **MongoDB** scripts and queries to fetch and test data from **NoSQL** databases.
- Responsible for installation & configuration of **Jenkins** to support various Java builds and Jenkins plugins to automate continuous builds and publishing **Docker** images to the **Nexus** repository.
- Used CI/CD tools **Jenkins, Git/Gitlabs** and **Docker** registry for configuration and automation using Ansible.
- Used Drools as rule engine to categorize salient level rule to every business rules base on the business needs.
- Experienced in working with **Babel** and **Webpack** in application build and deployment processes.
- Created plugins to extract data from multiple sources like **Apache Kafka**, Database and Messaging Queues.
- Ran Log aggregations, website Activity tracking and commit log for distributed system using **Apache Kafka**.
- Deployed and monitored scalable infrastructure on Amazon web services specifically on AWS EC2.
- Performed UI and front- end testing using **Selenium** . Developed test case and performed unit testing with **Mocha**.

Environment: HTML5, CSS3, React JS, Babel, Spring Boot, Spring AOP, Spring IOC, Hibernate, Redux, Axios , Node JS, Hapi JS, DB2, Webpack, JSON, Ansible, Pivotal Cloud Foundry, Jenkins, GIT, Docker, Drools, Nexus,

Mongoose, MongoDB, Chai, Webpack, Mocha, Selenium, Apache kafka, EC2, AWS.

Standalone IT Solutions June 2015 - December 2018

Sr. Java Backend Developer

Responsibilities:

- Involved in various phases of **Software Development Life Cycle (SDLC)**.
- Identified business requirements of the project.
- Used **CSS, HTML, Java Script, JQuery, and AJAX** for creating interactive web Application.
- Involved in developing the **CSS** sheets for the **UI** Components.
- Used **JavaScript** for the web page validation.
- Implemented **Model View Controller** modules and design patterns.
- Developed and debugged the servlets and **EJB** with **WebSphere Application** server.
- Developed view components using **JSP** pages used in combination with servlets that handles business logic.
- Used **SOAP** for **WebServices** by exchanging **XML data** between applications over **HTTP**.
- Created and modified Stored Procedures, complex **SQL** Commands for the application using **PL/SQL**.
- Used **ApacheLog4j** Logging framework for logging of a trace and Auditing errors in application.
- Involved in **troubleshooting** bugs and **debugging** application to enhance performance of the application.

Environment: Java 5, J2EE, JSP, HTML, CSS, JavaScript, XSLT, Servlets, EJB, JDBC, WebSphere 7.0, Oracle 10g, PL/SQL.

Education:

- B.Tech in computer science, JNTU university, March 2015