**ANUSHA KAPU**  
Sr. Full Stack Java Developer  
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**Professional Summary**:

* Over 8+ years of professional experience in designing and building the web applications using the **Java/ J2EE**.
* Experience in all phases of Software Development Life Cycle (**SDLC**) – Analysis, Design, Implementation, Integration, QA methodologies, Test Strategy. Test metrics and maintenance of applications.
* Implemented the service projects on **Agile** Methodology and involved in running the Scrum meetings.
* Developed part of code using JAVA 8 features like **Lambda Expressions**, **Method References**, **Functional Interface** and **Method Reflection**.
* Deep understanding of **MVC [model-view-control], Client-Server and N-tier Architectures**.
* Extensive experience in working with **Collections**, **Exception Handling** and **Multithreading**.
* Expertise in client scripting language and server scripting languages like **HTML5**, **CSS3**, **JavaScript**, **JQuery**, **Angular2/4**, **JSP**, **Node.JS**.
* Experienced with **AngularJS** directives **ng-app, ng-init, ng-model** for initialization of AngularJS application data, implemented AngularJS Expressions, Directives, Controllers, filters and created Angular JS service layer.
* Hands on experience in Analysis, Design and Development of J2EE Business applications, Web-based and n-tier applications using the following core technologies - **Java**, **Servlets**, **JSP**, **JSTL**, and **XML**.
* Experience in Spring Framework such as **Spring IOC**, **SpringResources**, **SpringJDBC**, **Spring MVC**, **SpringSecurity**, **Spring Boot**.
* Experience with **Docker**, leveraging **Linux** Containers and AMI's to create**Docker Images/ containers**.
* Good Experience using Object Relational Mapping (ORM) like **Hibernate** and **JPA**.
* Experience in development, deployment and troubleshooting Web based and enterprise based applications on Windows, UNIX and Linux platforms.
* Hands on Experience with relational databases **Oracle, SQL Server, DB2, My SQL**as well as**NoSQL** Databases like **MongoDB, Mark Logic, Cassandra, DynamoDB.**
* Experience in developing web-services using **REST**, **SOAP**, WSDL and Apache UDDI, JAX- RPC, JAX-RS, JAX-WS, JAX-B.
* Hands on Experience in Utilized **Kubernetes** for the run time environment of the CI/CD system to build, test and deploy in an open source platform and **Splunk**data flow, components, features and product capability.
* Experience in working with messaging systems like **Kafka, Event Sourcing, RabbitMQ and Active MQ**.
* Designed, configured and managed public/private cloud infrastructures using Amazon Web Services (AWS), which includes **VPC**, **EC2**, **S3**, **CloudFront** and Elastic Beanstalk.
* Experience in writing the **SQL**, **PL/SQL**queries and Stored Procedures.
* Experience in designing transaction processing systems deployed on various application servers including Tomcat, Web Sphere, Web logic, JBoss.
* Performed advanced procedures like text analytics and processing, using the in-memory computing capabilities of Spark using Scala.
* Good Experience on Quality Control, **JIRA**, Tracking the tickets like accepting the tickets/defects, Reviewing Code and closing the tickets etc.
* Used**Git** and **SVN** for Source code version control.
* Experience with various IDEs like Eclipse, IntelliJ and Spring Tool Suite.
* Excellent Experience in Code Reviewing and Refactoring.
* Experienced in implementing business applications using **Microservices in Spring Boot**.
* Actively involved in the DevOps streamlining process through **Jenkins** CI and CD Release Automation.
* Expertise in Selenium automation using **Selenium WebDriver, Selenium Grid, Junit and Maven.**
* Involved in writing **Log4j** and **JUnit** testing
* Decent experience in building tools like **ANT**, **Maven**.
* Excellent Client interaction skills and proven experience in working with individual as well as team.
* Excellent analytical and critical thinking, creative problem solving, quick learning, interpersonal and client interfacing skills.

**Technical skills**

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| **Programming Language** | Java7/8, C, Python |
| **Platforms** | Windows, Red Hat Linux, Unix |
| **Version Control** | SVN,CVS,GIT |
| **Web developmentTechnologies** | HTML, CSS, JavaScript, JSON, Angular2/4, Node.JS,React.JS |
| **Databases** | Oracle, MySQL, DB2,Mango DB, Cassandra |
| **ORM Frameworks** | Hibernate |
| **J2EE MVC Frameworks** | JSF, Spring MVC |
| **Application Servers** | TomCat, WebSphere, WebLogic, JBoss, GlassFish |
| **Web Services** | SOAP/REST WSDL, JAXB, JAX-RS, JAX-WS, REST Microservices |
| **IDEs** | Eclipse, NetBeans, IntelliJ, Spring Tool Suite. |
| **Design Patterns** | Session Façade, Business Delegate, Front Controller, Service Locator, Singleton, Proxy, Adaptor, Observer, DTO, DAO, MVC, Iterator, Factory |
| **Build Tools** | ANT, Maven , Jenkins |
| **Methodologies** | Agile, Scrum, Test Driven Development(TDD) |
| **Messaging Technologies** | JMS, Rabbit MQ. |
| **Cloud Deployment** | AWS, PCF. |
| **Loggers** | Log4J |

**Education:**

* Graduated Bachelor’s of Technology (Computer Science) from Nagarjuna University in 2009. Andhra Pradesh, India.

**work experience and responsibilities**

**Client: Kroger - Cincinnati, OH July 2017 – Till date  
Role: Full Stack Java Developer**

Description: Kroger Digital is a highly innovative team situated in Kroger's own newly remodeled Digital Customer Innovation Center in beautiful Ohio. Kroger delivers Mobile, e-commerce and customer facing solutions that provide Kroger customers with world-class digital and mobile shopping experiences.

Responsibilities:

* Designed and developed User Interface web pages using with HTML5, **DHTML**, XHTML, CSS3, **AJAX,JSP**, **JSTL** and **JQuery** based on the W3C standards and Web 2.0.
* Developed SPA using **React.JS** to utilize the HTML5 DOM features and update elements that are modified in the webpage.
* Configured routes between **ReactJS** and Flask to render the templates from the server-side.
* Used Java8feature **Lambda expressions** to reduce the code complexity and more readable.
* Involved in Designing Use Case Diagrams, Class Diagrams and Sequence diagrams using Rational Rose.
* Used **SpringDAO** Module along with Struts Framework to deal with Database.
* Spring MVC Framework **IOC** (Inversion of Control) design pattern is used to have relationships between application components. It is also used to separate the application configuration and dependency specification from the actual application code.
* Developed real time tracking of class schedules using Node.js (Express.js framework).
* Extensively **XML** used to code configuration files in Spring Framework.
* Wrote **Restful** web services to communicate with **MongoDB**. Performed CRUD operations on MongoDB using RESTful web services. Configured and Integrated **JSF**, **spring** and **Hibernate** frameworks.
* Used Collection Framework and Multithreading for performing cache Operation.
* Developed the Business layer using Spring Boot and **JTA**.
* Configured the **Docker** Containers and creating **Dockers** files for different environments.
* Achieved role control functionality mainly by retrieving **JSON** data from **AJAX** and combining the retrieved data with **jQuery** to manipulate nodes in DOM tree.
* Experience in Pcf (Pivotal Cloud Foundry) and designing Mongo DB multi-shared cluster and monitoring with MMS.
* Used Python modules such as requests, urllib, urllib2 for web crawling in Python.
* Used other packages such as Beautifulsoup for data parsing in Python.
* Involved in developing Micro Services business components using **SpringBoot**.
* Consumed REST based Micro Services with Rest template based on **RESTfulAPIs**.
* Built centralized logging to enable better debugging using **ElasticSearch,Logstash** and **Kibana**.
* Managed different monitoring dashboards using **Kibana** that helped Site Reliability Engineering to monitor the uptime of services.
* Involved in utilizing **Apache Camel** to setup micro-services using **REST** APIs and build both pre-determined and dynamic routes.
* Published and consumed stream of records using **Producer**and **Consumer APIs**with **Spring** for **Apache Kafka**.
* MQ was used to provide a single unifying transport that reduces cost and maintenance efforts, including support for HTTP, **REST** and **JMS.**
* Improved infrastructure design and approaches of different projects in the cloud platform Amazon Web Services (**AWS**) by configuring the Security Groups, Elastic IP's and storage on **S3Buckets**.
* Customized Amazon Machine Images (**AMIs**) & deployed these customized images based on requirements.
* Responsible for deployment of micro services via **AWSBeanstalk** and **Lambda**
* Built **NoSQL** schemas and maintained sessions by **MongoDB**.
* Worked on **MongoDB** database concepts such as locking, transactions, indexes, replication, schema design.
* Used Apache Nifi for ingestion of data from the IBM **MQ's** (Messages Queue).
* Experienced in designing and automation of web services testing using Ready API (SOAP and REST).
* Developed **Maven scripts** and developed builds using Maven and continuous integration servers like Jenkins.
* Used XML Http Request Object to provide asynchronous communication as part of **AJAX** implementation.

Environment: Core Java, J2EE, JSP,JSTL, Spring Framework, Docker, Kafka, Micro-Services, JMS, XML, JDBC, AJAX, Apache Nifi, Apche Camel, Oracle 12C,MongoDB, SQL,AWS s3,Lambda, Express, Raedy API, IBM MQ,PCF, ELK ,HTML, CSS, JavaScript, React.JS, Python, STS, Rational Rose, GIT, JUnit, Maven .

**Client: Mutual Of Omaha Bank, Johnston, IA Apr2016 – Jun 2017  
Role: Full Stack Java Developer**

Description:Mutual of Omaha is a privately held Fortune 500 mutual insurance and financial services company founded in 1909 as Mutual Benefit Health & Accident Association, Mutual of Omaha is a multi-line organization providing insurance, banking, and financial products for individuals, businesses and groups throughout the United States.

Responsibilities:

* Well versed with complete Life Cycle Development process that includes requirement analysis, design, implementation, testing, maintenance and followed **Agile** methodology.
* Involved in implementing different **J2EE design patterns** like **Service Locator**, **Business Delegate**, and **DAO.**
* Implemented Core Java concepts like**Multithreading, Concurrency, Exception Handling and Collections**.
* Developed presentation layer using **HTML5, CSS3** and client validation using **JavaScript, DOM, JSON.**
* Implemented Lambda, Stream API and **Collection** API of **Java8**.
* Used Spring Framework **AOP** Module to implement logging in the application to know the application status.
* Created SOA systems architecture and high-level design for scalable and high-performance enterprise applications.
* Used **NoSQL** database **Cassandra** for proof of concept and having experience in create a **Stored Procedures** and having experience in Remote Procedure call (**RPC**).
* Developed front end web pages using **JSP**,**JSTL**,**JSON**, **CSS**, **JavaScript, Angular2.**
* Used **Angular2/4** directives to reduce the usage of redundant code and to create pie-charts, bar-graphs and also familiar in using data-binding and dependency-injection concepts in **Angular2/4**.
* Used Node.js, Express.js to create server-side API with MongoDB.
* Worked on **Angular 2/4** by **consuming Restful web services**& used Angular 2/4 forms like **Template Driven forms** and **Modern Driven (Reactive) forms** to perform form validations both on server and client side.
* Application developed using **Spring Framework** and J2EE technologies such as, **Servlets**, **JSP**, **and Struts.**
* Worked on Backbone views with declarative event handling which connects it all to the existing API over a **RESTful**, **JSON** interface.
* Wrote **Docker files** for creating **Docker images** for **micro services** and **Docker containers**for environment.
* Used **Kubernetes**to deploy **Docker containers**.
* Deployed flow of Execution in the Servlets Environment using **JSF** and defined Navigation Rules for handling page Navigations using Spring WebFlow.
* Implemented Asynchronous messaging between System Integration components using Spring **JMS** Template.
* Used Callable objects for implementing multithreading for parallel execution of independent events.
* Implemented different design patterns such as **singleton**, business factory and J2EE design patterns such as Business **delegate**, **sessionfaçade** and **DAO** design patterns.
* Designed and implemented Java Classes to use **JAXP** parser to create Java objects so as to be able to modify the data received in the response.
* Developed the HTTP based Web Service Client which calls up the existing web service to get the application related data which comes in XML format.
* Used **Hibernate** - Object Relational Mapping(**ORM**) for the backend data persistency.
* Created a spring container file for configuring Hibernate and to perform Dependency injection among all bean class involved in business logic operation.
* Responsible for the Amazon **EC2** cloud infrastructure within each user account VPC
* Launched Auto Scaling in combination with ELB to automatically scale the EC2 instances up and down according to the web traffic and also in response to health check of EC2 instances.
* Good knowledge on working with Amazon Lambda.
* Created RAML for rest services that helps Apigee team to connect API to outside world.
* Responsible for fetching the records for **SOAP** and **Restful** requests from **OracleDB**.
* Hands on experience in writing SQL queries, Function, Triggers and Stored Procedures.
* Worked with Apache Tomcat as theWebserver and WebLogic as the Application server.
* Wrote services to store and retrieve user data from the **MongoDB** for the application on devices.
* We used **FindBugs** tool to check the quality of code.
* Executed some web service test scenarios by using SOAP UI.

**Environment**: UML, OOAD, Agile/SCRUM, SOA Patterns, Oracle DB, Docker, MongoDB, MS Visio, Java 7, JSP, JavaScript, jQuery, JSF, Angular, JSON, JDBC, Struts, Cassandra, Express.js, XML, Kubernetes, Apache Tomcat, WebLogic, EJB, JMS, Oracle 11g, Linux, Maven, XML, AWS VPC,EC2,S3 Web Services (SOAP, Rest full), Soap UI, Jenkins.

**Client: Manheim - Atlanta, GA June 2014 – Mar2016  
Role: Senior Java developer**

**Description**: The project was to replace an old billing system with a new billing system to provide better customer experience in bill pay and there by enhance the client market in retail and non-retail services provided by Manheim. Migration of existing customers into new billing systems and allowing the new customers to new billing system. Provisioning of floor planning for the new and existing customers, which is implemented using EJB, s, JMS and Hibernate

**Responsibilities:**

* Used Spring 4.0 Framework component **Spring MVC** to provide Model and View, and URL based responses to different HTTP requests.
* Implemented method to obtain bean references and cross-cutting concerns using Dependency Injection (DI) / Inversion of Control (**IOC**), and Aspect Oriented Programming (**AOP**).
* Used Hibernate 3.0 and DAO pattern to store the persistence data into Oracle database and developed queries and stored procedures using **MySQL**, **HQL** and **NoSQL** and used Tomcat as Web Container.
* Developed RESTful web services API that support **JSON** and **XML** for exchanging the resource between different clients or systems based on the type of request and information to supply.
* Implemented logging and transaction manager using **SpringAOP** concept.
* Used **RabbitMQ** open source message broker software that implements the Advanced Message Queuing Protocol (AMQP).
* Mean stack application basically provides Angular framework as front-end, node.js/express.js as a platform for back-end and mongo dB as database.
* Implemented Design Patterns such as **Singleton**, **Factory**, **Proxy** and **MVC**.
* Used the **JavaMail** library to send email and used **JMS** to send message to customer to avoid passing the payment due time.
* Tested the application functionality with **Junit** Test Cases.
* Developed logging module using **Log4J** to create log files to debug as well as trace application.
* Wrote some **SQLqueries** such as Insert, Update, Delete, Alter and Joins.
* Deployed **JBoss** application server in local and integration test environments.
* Used Data Structures like **HashMap**, **Trees** and various sorting algorithm for customer data lookup.
* Created **GitHub** repositories and worked in branches and also worked with **Git** bash terminals.
* Used Jenkins as Continuous Integration (CI) tool and wrote reports of bug tracking in **JIRA**.
* Used IntelliJ as IDE to develop application code.
* Followed **Agile** methodology and participated in Sprints during development

**Environment**: Java 7/8, Spring IOC, Spring AOP, Spring MVC, Hibernate , Express.js, JSP, Servlets, Log4j,SQL, REST Web Services, XML, Junit, JIRA, MySQL, JBoss, Rabbit MQ, IntelliJ IDE, Tomcat 8, Maven, GIT.

**Client: New York Department of Health, New York City, NY Sep2012 – May 2014  
Role: Full Stack Java Developer**

**Description**: PCTD the New Pest Control System is intended to replace the current PCS Database, a system focused on manual workflow and extensive data entry and to provide a much broader event-based, mobile device-driven Pest Control Tracking Database. The new PCTD system is a Web based application that will provide users the ability to enter data, search for information and various reporting tools and using Java, XML, Web services, WSDL, Struts, Tiles, Spring and SQL Server.

**Responsibilities**:

* Worked Agile Methodology (Scrum) to meet customer expectation, timelines with quality deliverables.
* Responsible for creating efficient design and developing user interaction screens using **HTML**, **CSS**, **JavaScript**, **JQuery**, **Ajax** for service calls on pages to interact with the server.
* Implemented different validation control on the web-pages using **Angular** and developing a cross-platform JavaScript based solution using Angular JS.
* Used **Angular** to build web components such as signup form and rule form.
* Involved in research, implementation and review of **JQuery** and **JavaScript** functions to use plugins for representing data in graphs.
* Used **Python** modules such as xlrd, lxml and csv to compare two files and log the differences.
* Implemented Schema validation using **Python** module JSON schema to validate data in prior to API call to server.
* Worked on designing specific programs efficiently through knowledge of **multithreading** using the API with the goal of increasing performance on a wide variety of applications.
* Developed the persistence layer using Hibernate Framework, created the **POJO** objects and mapped using **Hibernate annotations**.
* Used the **SpringIOC** feature to get Hibernate session factory and resolve other bean dependencies also used Spring Framework AOP features and JDBC module features to persist the data to the database for few applications.
* Used **Spring Security** to provide authentication, authorization and access-control features for Application.
* Connected to Data sources and performed operations using Spring Data Framework features like Spring JDBC and **Spring ORM**.
  + Analyze business requirements and develop various business delegates to integrate with Middleware services like **JAX-WS** using **SOAP** and **REST**.
  + Used **Cassandra** for database and Redis for cache, for storing and fetching the data.
* Developed Data Services using XML messages that use **REST** web services, Created REST envelope.
* Created customized AMIs based on already existing **AWSEC2** instances by using create image functionality, hence using this snapshot for disaster recovery
* Re-design and implement CI build system using **Jenkins**.
* Developed **ANT** scripts to build and deploy the application in the **WebSphere** Application Server.
* Focused on Test Driven Development thereby creating detailed JUnit tests for every single piece of functionality before actually writing the functionality.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system
* **Log4J** was used to monitor the error logs and used **GIT** as version control tool.

**Environment**: Java, HTML5, CSS3, Java Script, JQuery, AngularJS, NodeJS, Python, Spring MVC, Spring Boot, Spring Security, Spring ORM, Hibernate, SOAP, RESTful, AWS EC2, Jenkins, JSP, Express.js, XSLT, XML, SQL, Cassandra, Apache Tomcat, WebSphere, Log4j, JUnit, JIRA, GIT,ANT, Agile

**Client: The Hartford - Windsor, CT Oct 2010 –Aug 2012  
Role: Java / J2EE Developer**

**Description**: The Hartford is the financial service provider. The Hartford sells all major lines of insurance, including auto, property and commercial. This project aimed at building a web based Billing and Customer Care System. Customers can work with subsystems, such as Registration, current policy information, getting a quote, make changes to his existing policy, apply for a new policy, make payment, checking for claims status, place a claim and others.

**Responsibilities**:

* + Developed Business Components in Java/JEE and Involved in various phases of Software Development Life Cycle (SDLC) on windows and Linux Platform.
  + The entire application was developed in J2EE using an MVC based architecture.
  + Designed project related documents using MS Visio which includes Use case, Class and Sequence diagrams.
  + Implemented modules using Core Java APIs, Java collection, multi-threading, and object-oriented design principles.
  + Developed presentation layer code, using JSP, HTML, AJAX and JQuery.
  + Help UI to integrate the JavaBeans data using **JSTL**, **spring** tags.
  + Developed JSPs strictly confining to using JSTL and not using any JSP element consisting of **JavaScript**.
  + Single page architecture by using **AngularJS** for server side web Applications, Real time communication.
  + Involved in the Node.js EXPRESS.js Server combined with Socket.io to build MVC framework from front-end side Angular1 to back-end **Oracle**, in order to provide broadcast service as well as chatting service.
  + Wrote some basic pojo classes using Spring Core Modules.
  + Developed the Persistence layer DAO using **HIBERNATE**.
  + Implemented **RESTful** web services using JSON, XML.
  + Involved in Migrating the **JDBCCode** into Hibernate and implemented various features using Collection APIs.
  + Developed the project using industry standard design patterns like Singleton, Business Delegate Factory Pattern for better maintenance of code and re-usability.
  + Experienced in **SQL**, **PL/SQL** Stored procedures, **Functions**, **triggers** to interact with Oracle11g.

**Environment**: Java, J2EE , HTML, CSS, AJAX, JQuery, JavaScript, JSP, JSTL, Spring Core, Hibernate, Express.js, RESTFUL, SOAP, XSD, XML, Angular1, UML, JUNIT, Web Sphere, MS Visio, Oracle DB, JDBC, SQl, PL/SQL, JSON, UNIX.

**Client:BuzzBoard India Pvt Lt - Hyderabad, Telangana Aug 2009 – Sep 2010  
Role: Software Engineer**

Description:Service Tracking System Service Tracking System is a web-based application aiming to cater to the operational and managerial requirements of Tejes Services Inc. This system is available for customers and employees (of Tejes Services Inc) at all times. It supports the functions like Maintain Trouble Tickets, Track the Service Contracts (prepaid contracts) with Customers, Track billed & unbilled service tickets per customer basis, Track Maintenance Contracts, Provide reports to the customers as well as the management.

Responsibilities:

* Involved in various phases of Software Development Life Cycle (SDLC) as design development and unit testing.
* Developed and deployed UI layer logics of sites using JSP, XML, JavaScript, HTML/DHTML, and Ajax.
* Developed proto-type test screens in HTML and JavaScript And Used JavaScript's for validating client side data
* Involved in developing JSP for client data presentation and, data validation on the client side with in the forms.
* Developed Intranet Web Application using J2EE architecture, using JSP to design the user interfaces, and JSP tag libraries to define custom tags and JDBC for database connectivity.
* Agile Scrum Methodology been followed for the development process.
* Designed different design specifications for application development that includes front-end, back-end using design patterns.
* Developed the application by using the Spring MVC framework.
* Collection framework used to transfer objects between the different layers of the application.
* Developed data mapping to create a communication bridge between various application interfaces using XML, and XSL.
* Spring IOC being used to inject the parameter values for the Dynamic parameters.
* Used Web Services - WSDL and SOAP for getting Loan information from third party and used SAX and DOM XML parsers for data retrieval.
* Evaluated and worked with EJB's Container Managed Persistent strategy.
* Developed JUnit testing framework for Unit level testing.
* Actively involved in code review and bug fixing for improving the performance.
* Worked on multiple environments such as Windows and UNIX.
* Developed the EJB-Session Bean that acts as Facade, will be able to access the business entities through their local home interfaces.
* Created connection through JDBC and used JDBC statements to call stored procedures.
* Documented application for its functionality and its enhanced features.

Environment: Spring MVC, J2EE, Java, JDBC, Servlets, JSP, XML, Design Patterns, CSS, HTML, JavaScript 1.2, JUnit, Apache Tomcat, Eclipse, My SQL Server 2008.