

GEETANJALI PARAMKUSAM
JAVA Developer
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McKinney, Texas

EXPERIENCE SUMMARY

- **Oracle Certified JAVA Professional and Senior Software Engineer** with about **9+ years of experience** in the entire system life cycle, including **Project Management**, System Analysis, Design, Programming, Debugging & Implementation and Maintenance of various applications.
- Development focused on Client/Server and WEB based applications using **JAVA, J2EE, JSON, Restful Web Services, Microservices, Spring Framework**, HTML, and JavaScript. Thorough understanding of Internet Technologies, sound knowledge in RDBMS like **MYSQL, Oracle, Object-Oriented** development methodology.
- Strong Knowledge on Application Development using **Software Development Life Cycle SDLC** using various methodologies like **Waterfall, Agile/Scrum**.
- Expertise in working with various J2EE technologies including **Hibernate, Struts MVC Framework**, Servlets, **JNDI, JMS, JDBC, AJAX, WEB SERVICES, MAVEN** and **GRADLE**.
- Strong experience in Spring Framework such as **Spring MVC, IOC, AOP** and **Spring JDBC**.
- Strong hands-on experience in **Amazon S3** bucket for storing files and images.
- Extensive experience in developing Microservices using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)** and followed domain driven design.
- Experience in using build/deploy tools such as **Jenkins, Docker and OpenShift** for Continuous Integration & Deployment for Microservices.
- Experience in implementing **Java EE design patterns** such as **MVC, Singleton, Session Facade, DAO, DTO**, and **Business Delegate** in the development of multi-Tier distributed Enterprise Applications.
- Good experience in developing **Web Services SOAP, JAX-WS, WSDL, REST, JAX-RS**.
- Experience in **core Java-Multithreading, collections, Servlets and JDBC**.
- Experience in Configuring and deploying applications on **Tomcat 5.5/6.0/7.0** server.
- Hands-on experience with build and deployment tools including **Ant / Maven**, logging and Debugging using **Slf4j** and **Log4j**, unit and integration testing using JUnit.
- Good working experience in GUI design and application development using IDE like **Eclipse** and **Net Beans**.
- Working experience with third party API's video Tools (**Opentok** and **Vidyo**).

- Experience in creating test cases using Spring **JUnit & Mockito** and version control (SVN, Git, etc.).
- Employed **OAuth** for secure and standardized authentication, significantly contributing to a seamless and secure user experience in the project.
- Excellent team player with good analytical, strategic planning and interpersonal and communication skills. Highly motivated, enthusiastic and self-starter.
- I have successfully implemented **Apache Camel** and Apache Camel Routing for streamlined data processing, ensuring efficient communication between various components.
- Ensured secure communication using **SSL** handshake certificates and implemented **mTLS** (Mutual TLS) for enhanced security in the project.
- Integrated **AWS** services to augment project capabilities, leveraging cloud solutions for scalability and reliability. I have worked in manual and **CICD** deployment with **Pivotal Cloud Foundry**.
- Skilled in using **AWS** services like AWS Lambda and EC2 for building scalable Java applications without managing servers, incorporating event-driven design and automated infrastructure
- Utilized Jenkins to establish robust Continuous Integration and Continuous Deployment (CI/CD) pipelines, ensuring efficient and automated deployment processes throughout the project lifecycle.
- Collaborated with third-party **APIs**, including **Zingly** chatbot, to enrich project functionalities and elevate customer interactions.
- Developed Kafka producers and consumers for handling high-volume data streams, ensuring low latency and high throughput.
- Knowledge of common browser developer tools and performance tuning techniques.
- Experience applying the latest software development approaches including MVC, event - driven applications using **AJAX**, **Object Oriented (OO) JavaScript**, **JSON** and **XML**.
- Experience with **Use-Case design**, **Class** and **Sequence** diagrams using **UML**.
- Utilized Kibana for effective log analysis and monitoring, ensuring the health and optimal performance of the entire system.

EDUCATIONAL QUALIFICATION

- Bachelor's of Technology in E.C.E. from Jawaharlal Nehru Technological University, Hyderabad
- Intermediate in M.P.C. from Board of Intermediate Education, Andhra Pradesh
- Secondary School Certificate from Board of Secondary Education, Andhra Pradesh

Certifications:

- **Oracle Certified Professional, Java SE 6 Programmer.** Feb 2016.
Developing and Implementing Web Applications with Java

TECHNICAL SKILLS

Languages	Java, Java/J2EE , C, JSON, XML, SQL, PL/SQL,
Tools	OOPS, REST Web Services, Java Script, HTML, Software Engineering,
and	SDK, Servlets, JDBC, REST, Microservices, Spring Core, Spring MVC,
Methodologies	Spring Boot, Spring Data, Hibernate, Design Patterns, Agile, Waterfall, Eclipse, NetBeans, Junit, Maven, Jenkins, SQL Developer, Chrome Developer Tools, GIT, Unix Putty, JIRA, Bit Bucket, Pivotal, Apache Tomcat, Jetty, Web Logic, Amazon web services, AWS ECS, AWS Cloud watch, S3 bucket, Kafka, Jenkins
Databases	MySQL, ORACLE 8.0 / 7.3/ 11G, IBM DB2, MS SQL Server 2016
Operating Systems	Windows XP/95/98, Windows 7/8/10, Linux

PROFESSIONAL EXPERIENCE

Client name: Transamerica, NY

Jan 2023- till date

Role: Lead - Technology

Description: Led a transformative project with the goal of enhancing customer engagement and streamlining access to insurance benefits through collaboration with Transamerica agents. The project involves leveraging cutting-edge technologies to seamlessly connect customers with Transamerica agents, particularly emphasizing services such as 401(k) plans.

- Implemented Apache Camel and Apache Camel Routing for streamlined data processing, ensuring efficient communication between various components.
- Ensured secure communication using SSL handshake certificates and implemented mTLS (Mutual TLS) for enhanced security.
- Integrated AWS services to augment project capabilities, leveraging cloud solutions for scalability and reliability.
- Utilized Jenkins to establish robust Continuous Integration and Continuous Deployment (CI/CD) pipelines, ensuring efficient and automated deployment processes.
- Collaborated with third-party APIs, including Zingly chatbot, to enrich project functionalities and enhance customer interactions.
- Employed OAuth for secure and standardized authentication, contributing to a seamless and secure user experience.
- Utilized Kibana for effective log analysis and monitoring, ensuring the health and performance of the system.
- Orchestrated containerized applications using AWS Elastic Container Service (ECS).
- Implemented Swagger for API documentation, enhancing transparency and ease of integration.
- Managed project tasks and collaboration through Jira, ensuring efficient project tracking and communication.

Environment: Java 1.8, Microservices, JSON, Java, Apache Camel, Apache Camel Routing, SSL handshake certificates, mTLS, OAuth, AWS services, Kubernetes, CI/CD (Jenkins), Zingly chatbot, Kibana, Swagger, Jira.

Client name: Citibank, Irving,Tx

Dec 2020- Dec 2022

Role: Senior Software Engineer

Description: Product Control is a specialized area within the Controllers discipline and is principally associated with the Markets & Securities Services and Corporate & Investment Banking businesses. Responsibilities include; product line revenue and balance sheet validation, analysis and reporting; independent price verification, fair value hierarchy classification and valuation adjustments. It deals with Bonds, Equities, Commodities, Stocks & Trading data etc.

- Involved in all phases of the life cycle of the project including requirement study, design, development, deployment and testing.
- Involved in Architecture Designing of a web-based solution.
- Developed class diagrams, sequence and use case diagrams using UML Rational Rose.
- Implemented REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
- Implemented Zipkins for distributed Microservice Monitoring. Integrated Swagger UI and wrote integration tests along with REST documents.
- Implemented Hystrix a Latency and Fault Tolerance system for Distributed Systems. Wrote Controller, Services.
- Used spring config server for centralized configuration and Splunk for centralized logging. Used Concourse and Jenkins for Microservices deployment.
- Used Row mapper for fetching records by spring JDBC template.
- Used Log4j for logging and tracing core java code.
- Developed/Modified the SQL, Stored Procedure and Triggers.
- Parsed the JSON content and displayed the content in the user interface.
- Used JSON encoding and decoding techniques to convert complex objects to string and vice versa.
- Hands-on experience in using CI/CD pipeline and Jenkins for deploying the code.
- Experience in using build/deploy tools such as Jenkins, Docker for Continuous Integration & Deployment for Microservices.
- Integrated Kafka with microservices architecture to enable efficient communication and data exchange between services.
- Implemented strategies to optimize message consumption within Kafka consumers, improving overall processing speed.
- Developed story/task by following TDD/BDD and Pair programming concepts. Providing daily status in scrum meetings with the client. Mentored new team members on effective usage of blend of Spring Boot /JPA and Java

Environment: Java 1.8, Restful web Services (JAX-RS, Spring Boot), Microservices, PCF, Hystrix, Spring Cloud Config server, AWS S3, JSON, Log4j, Maven, Git, Junit, Pivotal Tracker, Kafka,Tomcat 7, Oracle 9i, DB2, Jenkins, AppDynamics

Client name: Vanguard, Malvern, PA

Dec 2019 - Nov 2020

Role: Software Developer

Description: Led a comprehensive data migration project, orchestrating the seamless transfer of critical financial data from DB2 to Azure Cloud. Spearheaded the transformation of raw DB2 data into AVRO files, optimizing accessibility and efficiency for the entire financial ecosystem.

- Successful execution of a large-scale data migration project, mitigating risks associated with transitioning financial data to a cloud-based environment.
- Implementation of innovative strategies to transform and map DB2 data into AVRO files, optimizing data structures for enhanced accessibility.
- Orchestrated the integration of a Kafka consumer service, enhancing real-time tracking and updating of MongoDB upon the creation of new financial accounts.
- Integration of a Kafka consumer service, significantly improving the responsiveness of the financial data system to new account openings.
- Contribution to the development and maintenance of a Microservices architecture, fostering agility and scalability in software solutions within the financial domain.
- Rigorous testing of AVRO serialization and deserialization processes, ensuring data integrity and reliability in various operational scenarios.
- Utilized Monarch libraries to map DB2 Accounts data to AVRO format during the migration of large datasets.

Environment: Java, Spring Boot, Microservices, Azure, JSON, AVRO Schema, AVRO files, Log4j, Gradle, Git, Junit, Kafka, Monarch Library, Mongo DB DB2, Jenkins, Kibana

Neobric IT Solutions Pvt Ltd, Hyderabad, India

Jan 2018 – May 2019

Role: Software Developer

Project: Unycare

Description: Unycare is a product-based application that provides healthcare services to patients, hospitals and in remote areas. It has an online web application, where patients book an appointment with a doctor. The doctor attends the appointment over video call or phone call or in person. The doctor can prescribe the medicine and can annotate health reports over video call. In this application, a doctor can have his doctor's network and there is a P.A. login activity where he can handle the doctor's account and can educate the patient with patient education videos over SMS. A patient can login and view his/her account activity, manage his account, book an appointment, upload or view his health records, view his past health appointment history etc.

Responsibilities:

- Involved in project planning sessions with business analysts and team members to analyze business IT Requirements and translated business requirements into a working model by following Agile methodology.
- Involved in architecting various Business Layer and Data Management components of a multi-tiered web-based system.
- Involved in Single-page applications using HTML5, CSS3, Bootstrap, Angular JS.
- Used Spring annotations to simplify the business logic for creating Spring MVC, Spring Boot Restful web services.
- Created Spring Configuration files & used annotations to auto-wire Java Components using Spring Dependency Injection (IOC).
- Used Spring Security for user authentication.
- Implemented J2EE design patterns like DAO, MVC, Factory Pattern and Singleton.
- Developed and consumed Rest Services using HTTP methods such as GET, POST, PUT and DELETE for user and account Microservices.
- Used JSON encoding and decoding techniques to convert complex objects to string and vice versa.
- Used Hibernate as (Object Relational Mapping) ORM to map Java classes to database tables.
- Developed POJO's, Data Access Object (DAO) that handles all database operations using HQL & Hibernate named queries.
- Designing, creating databases, writing DDL, DML statements and populating the MySQL database.

- Developed PL/SQL stored procedures on MySQL and performed PL/SQL tuning for the performance of the database by making necessary changes in java as well as DB code.
- Designed a dashboard using chart.js for creating different graphical representations of data.
- Working experience with third party API's video Tools (Opentok and Vidyo).
- Experience in integrating third party APIs such as Youtube, PDF files for educating the patient over sms.
- Followed the HIPAA compliance to maintain the secrecy in user information.
- Collaborated with clients on change requests, designed and developed solutions.
- Used Maven for building applications and generating war/jar files.
- Used GIT for version control.
- Carried out exhaustive testing of the system.

Environment: Java, Spring, MySQL, HTML, Java Script, CSS, Angular JS, Opentok, Vidyo, Apache Tomcat Server, Eclipse IDE, NetBeans IDE, Visual Studio IDE.

Neobric IT Solutions Pvt Ltd, Hyderabad, India

Apr 2016 – Jan 2018

Role: Software Engineer

Description: Illumy is building the next-generation of cloud communications that combines email, messaging, group chat, voice, video, and phone into a single seamless cloud-based experience. No more jumping between different applications, accounts, and user interfaces. Illumy is fast, fun, modern, private, secure, and multimedia rich. Enter the new world of hyper-communications and communicate without limits. <https://www.illumy.com>

Responsibilities:

- Used and implemented Spring MVC 3.0 to decouple the object classes dependency, to keep the MVC configuration simple.
- Implemented AJAX to make web pages more interactive, also enabling switching between different independent tabs.
- Extensively used Eclipse for writing code
- Written *.hbm.xml file for developed POJO to map the object to relational database.
- Designed and implemented data model using Hibernate 3.0 as the persistence layer that uses Oracle as backend database.
- Used LDAP for Authentication and Authorization
- Transfer of data from presentation tier to web tier is done using Value Object (VO)
- Developed web services using Restful.
- Building and deployment of EAR, WAR, JAR files on test, stage and production systems in WebLogic 10.3.6 Application Server.
- Implemented Agile Process.
- Used LOG4J & JUnit for debugging, testing and maintaining the system state.

Environment: Java/j2ee 1.8, JDBC 2.0, JSP 2.3, Servlets, Restful, AJAX, EJB 2.0/3.0, Hibernate 3.0, HTML5, CSS3, JavaScript, AngularJS, Node.js, jQuery, Ionic 2, Apache Cordova, RWD, WebStorm (IDE), MS Office

Neobric IT Solutions Pvt Ltd, Hyderabad, India

Apr 2014 - Apr 2016

Role: Junior Software Engineer

Description: Rejee is an application which helps the travelers to find their lost items in journeys like airports etc. It has an online web application, where the travelers can report the lost items by giving the product description. The Transport Security Administration reviews the reports, verifies the victim about the case and

takes the necessary action by generating a case number, finding the product and delivering the product to the victim. In this application, an individual can login as a victim for a lost/stolen item or founder of an item, view his/her account activity, and manage his account.

Responsibilities:

- Worked in an Agile Development environment and actively participated in daily scrum meetings and reviews with two-week sprint deliveries.
- Designed and developed Application based on Spring framework using MVC design patterns.
- Used J2SE for writing business logic using collection frameworks, handled user defined errors using exception handling.
- Responsible for writing/reviewing server-side code using Spring JDBC and DAO module of spring for executing stored procedures and SQL queries.
- Created Spring Configuration files & used annotations to auto-wire Java Components using Spring Dependency Injection (IOC).
- Implemented MVC architecture and DAO design pattern for maximum abstraction of the application and code reusability.
- Used J2SE for writing business logic using collection frameworks, handled user-defined errors using exception handling and involved in refactoring and debugging the code.
- Created databases and schema objects including tables, indexes and applied constraints, connected various applications to the database and written functions, stored procedures and triggers.
- Developed persistence logic using JDBC to interact with MySQL.
- Experience in integrating the third-party API's Google Map services, USPS Services.
- Experience in using JIRA for Defect Tracking and PUTTY to access production.
- Participated in and contributed to design reviews and code reviews.
- Collaborated with clients on change requests, designed and developed solutions.

Environment: Java, Spring, MySQL, HTML, Java Script, CSS, PHP Slim framework, Apache Tomcat Server, Eclipse IDE, Putty to access production