Rajveer Singh

Freelancer

M **raj14.1984@gmail.com**

📞 +91 8800489616   🟢 +91 9711188086

Linked**in**®   https://in.linkedin.com/in/rajveer-singh-589b3950

Objective

To obtain a responsible position in a prestigious organization having competitive and encouraging environment that will utilize my years of experience in field of Software Development and to be a part in its growth.

Experience Summary

- I am a graduate with specialisation in Computer Science and Engineering, having experience of 14 years 10 months with a strong background in software design, development, testing, business requirements gathering and analysis using Java/J2EE technologies.
- I have worked on telecom, banking & travel domain and various other products and web-based projects as a developer and architect.
- I have worked on server side using following technologies.
  - Microservices using Spring boot and Spring cloud following Domain Driven Design approach. Hands on experience in microservices patterns such as Config server, Registry, circuit breaker, transactional outbox, asyc retry etc.
  - CQRS and ES based microservices implementation using AXON Framework.
  - Confluent certified developer for Apache Kafka (CCDAK) having good understanding in Kafka, Kafka Connect and Kafka Streams.
  - Spring modules - BOOT, DI, AOP, MVC, Data, JDBC, REST, WS, Transaction, Security, Reactor (Reactive programming) and Multithreading
  - REST web services using Spring MVC Rest and API management using Swagger/OpenAPI 3.0, APIGEE
  - Application security using Spring Security, JWT, OpenID/OAuth2, LDAP, ACL and Keycloak, OWASP
  - Email designing using Freemarker, campaign management and scheduling Quartz, execution using Spring mail and Apache James.
  - Extensive experience on Databases – MySQL, DB2, Oracle, PostgreSQL, DAO and Repository pattern implementation using SQL, JDBC, Spring Data, Spring JDBC, iBatis and Hibernate.
  - Hibernate 2nd level and query cache. Entity versioning and audit logs using Hibernate Envers and spring data. Bean validation using Hibernate validator.
  - Good experience in Core Design patterns, Integration patterns using Apache Camel, messaging using JMS/ActiveMQ.
  - Conceptual understanding of Jenkins, Docker, Kubernetes etc.
- Expert contributor to all phases of Software Development Life Cycle (SDLC) including Requirement Gathering & Analysis. Architecture design, documenting HLD/LLD, Use Cases and User Stories writing, bug fixing, enhancements and refactoring, Test Planning & Execution, Build and Deployment CI/CD using Maven, Gradle, Docker and Jenkins.
- Expertise in writing unit tests using JUnit and Mockito and Integration testing using Wiremock.
- I believe in supporting and encouraging fellow team member and keeping me updated with latest technologies, methodologies and best practices.

Certifications

- Confluent Certified Developer for Apache Kafka (CCDAK)

Qualifications

DEGREE	SPECIALIZATION	COLLEGE/UNIVERSITY	PERCENTAGE	YEAR
B.E.	Computer Science and Engineering	ITM Gurgaon(MDU)	64%	2006
12th	Non-Medical Science	HBSE(Haryana)	64%	2001
10th	Math, Science, Social Science, English, Hindi	CBSE	71%	1999

Recognitions

- Awarded with **Best Contributor - Developer**, For outstanding Professional Achievements & Valuable Contribution.
- Awarded with **Winning Strikers** "SITA eCommerce" Q1 2015-2016 for outstanding Professional Achievements & Valuable Contribution.

Blogs

- **Joda File Export** (Github/Medium): Generic Java library based on Joda Beans and Spring Reactor to export/download or dump files in various formats such as CSV, Excel, PDF etc.

Career Profile

Period	Months	Organization	Role
Feb 2019 – Till date	38	Freelancing	Technical Consultant
Feb 2018 – Jan 2019	11	Whisk Software Pvt. Ltd.(Gspann)	Technical Lead
Sep 2014 – Jan 2018	40	InterGlobe Technologies	Module Lead
May 2013 – Aug 2014	16	Mpurse Services Pvt. Ltd.	Assistant Manager
Jan 2012 – Apr 2013	16	Aricent Technologies (Holdings) Ltd.	Senior Software Engineer
Jun 2011 – Dec 2011	7	TCS, Gurgaon (On payroll of Future Focus Infotech Pvt. Ltd.)	Business Associate
Dec 2009 – May 2010	6	IBM, Gurgaon (On payroll of Datasoft India Ltd.)	Software Associate
Dec 2007 - Nov 2009	24	One97 Communications Pvt. Ltd., Noida	Senior Software Developer
Jun 2006 - Dec 2007	18	Meera Infotech Pvt. Ltd., Gurgaon	Software Engineer

Below is a list of important software, tools, technologies and methodologies that I have worked upon.

Key Assignments

The details of the various assignments that I have worked upon are listed as follows.

1.

Project	**Clear Captions**
Period	January 2021 – April 2021
Description	- ClearCaptions is a Federal Communications Commission (FCC) certified telephone captioning provider. It enables anyone with hearing loss to communicate easier with the most advanced call captioning system available. It is a call captioning service that provides near real-time display of caller's words during phone conversations, a service intended for individuals whose hearing loss inhibits their phone use. The services are available either through ClearCaptions mobile app for both Android and iOS mobiles (VoIP calls) or landline phone devices (Bluephones).

Role & Responsibilities	**Consultant** • Architecture and system and database design from scratch following microservices patterns and Domain Driven Design principles, CQRS & ES based implementation using AXON Server • Responsible for implementation of E911 Service, User profiles and device management services
Tools & Technologies	Java 8, Spring Boot microservices, Netflix OSS, Spring Rest, Swagger/Open API 3.0, Spring Data JPA, Hibernate, Hibernate Envers auditing, Hibernate Validator, Zalando Problem web support, Spring reactor, Spring Security, AXON Framework, Kafka

2.

Project	**PeaS (Pricing Engine as a Service)**
Period	February 2019 – August 2020
Description	Pricing as a Service in Financial Service Industry is a Price discovery and management Product for inter and intra border transactions, facilitating money transfer across countries and currencies. • Integration with Rate providers such as Future source and Thomson & Reuters. • Manages rates at different mark-up layers such as Interbank Rate, Value at Risk, Settlement, Agent and Agent branch margin. • API based pricing services exposure to partners.
Role & Responsibilities	Architect/Team Lead • Architecture and system and database design from scratch following microservices patterns and Domain Driven Design principles. • Integration with other microservices and rate providers. • Development of Entities, Rest, Service and Repository layers. • Team management and client interactions.
Tools & Technologies	Java 8, Spring Boot microservices, Netflix OSS, Spring Rest, Swagger/Open API 3.0, Spring Data JPA, Hibernate, Hibernate Envers auditing, Hibernate Validator, Zalando Problem web support, Spring reactor, Spring Security, Keycloak, Joda Beans, Lombok, Quartz Scheduler, Active MQ, Spring JMS, Jenkins, Openshift, Oracle Database

3.

Project	**Aperture (PSA/Professional Services Automation)**
Period	January 2018 – January 2019
Description	A product to manage resources lifecycle, business accounts and projects, resource's allocations to projects as per SOW contracts, timesheets management and reports much more • Resource management: From on-boarding till termination and resource profiles. • Business account management and projects within them. Allocation of resource to various projects as per SOW contract. • Timesheet management of resources as per their allocations to projects and SOW work breakdown structures. • Schedule based Reminder and Notification service to send various kinds of reminders and notifications to intended recipients • Fine grained security management using Spring security, OpenID, Keycloak integrated with Active directory and Office 365

Role & Responsibilities	**Architect/Team Lead**
	• Collected and documented all requirements • Complete design of hibernate entities and builders following Domain Driven Design principles • Designed all the screens and complete architecture including all layers from Rest to Service and Repository. • 80% Development, unit and integration testing • Interaction and Demonstration to stakeholders.
Tools & Technologies	Spring DI, Spring AOP, Spring Security, Spring MVC Rest, Zalando Problem support, Spring Data JPA, Hibernate, Rabbit MQ, Quartz, Keycloak(OpenID), Freemarker, Swagger, Postman, Gradle, Jenkins, Docker, Google Cloud.

4.

Project	**NDC Aggregator**
Period	September 2017 – November 2017
Description	With the evolution of New Distribution Capability (NDC) standard by IATA, to distribute Air and Non-air products such as flight tickets and ancillary items, there is requirement for a mediator between Seller such as OTA/TMC and NDC compliant airlines. NDC aggregator serves just that mediator doing following activities. • Accepts the AirShop requests from sellers, validates the same and processes the same with available Airline profiles to filter the Airline systems capable of fulfilling the particular request. • Verifies the authenticity of incoming messages, enriches the request message with security token for respective airline systems. • Forwards the AirShop request to capable airline systems, accepts response from them, merge the response and send the consolidated AirShop response to the requesting Sellers. • Just take and forward non-AirShop requests to corresponding airlines. • Can integrate with rich media content system to enrich the outgoing response with hosted media file URLs or media data. • Can apply ranking to further sort or filter the AirShop response from multiple airlines on certain criteria, configured by Seller. • Provisioning and de-provisioning of Sellers and Airline providers.
Role & Responsibilities	**Architect** • Requirement gathering and analysis • Architecture design and documentation • Development, unit, integration and performance testing • Interaction and presentation/demonstration to stakeholders.
Tools & Technologies	Spring DI, Spring AOP, Spring Security, Spring MVC Rest, Apache Camel, RxJava, XML, XPath, XSLT, JXplorer, Swagger, Postman, Java Concurrent API, Docker.

5.

Project	**SITA Visitor Information system (VIS)**
Period	September 2016 – October 2017
Description	The Visitor Information System (VIS) is an integrated system that empowers various organizations to identify, monitor and manage visitors and travellers at border controls and within Sultanate of Oman, and includes an entry/exit system.

	Following are main functionalities • **Risk Manager** - The Risk Manager component is available within all VIS systems and is responsible for assessment of risks on data and management of referrals. This component provides a risk assessment service for the eVisa, Entry-Exit, APP and Event Manager Components to use when they require a risk assessment to be performed on a traveller. • **Watch lists** - Used by the Risk Manager, this component contains a list of people or documents that are of interest to ROP, RL1 and RL2. A Cleared Document List is also provided to deal with the case where an innocent traveller has a similar name to one or more genuine suspects on the watch lists. • **Targets –** Used while risk assessment as exact matches for traveller such as name, govt ids etc. • **Actions** – Suggested actions the authority needs to take in case of a watch lists or target hit while risk assessment. • **Profiler** - Used by the Risk Manager, a Profile contains a set of characteristics about a traveller and their travel arrangements and allows the Risk Manager to search for and identify travellers who conform to those characteristics. • **Identity Manager** - Provides a person-centric data store which is synchronised with the existing ROP mainframe application to link to the full history for a person's movements and other events in Oman. • **Event Manager** - Receives submitted data and store it in the Events database to manage the participant registration and subsequent accounts.
Role & Responsibilities	**Module Lead** • Maintenance and bug fixing • Development of new requirements • Mentoring and managing fellow team members
Tools & Technologies	Java, Servlets, JSP, Custom tags, Spring MVC, Spring AOP, Spring Security, CSS, Java script/JQuery, XML, XPath, Maven, Spring Data, Spring MVC REST and SOAP Web services/Spring WS, Apache Camel, Service Mix/ Apache Karaf, Eclipse, Oracle 10g, Windows (development) and Linux(production)

6.

Project	**SITA E-commerce**
Client	Product
Period	September 2014 – August 2016
Description	The SITA E-Commerce product (SEC) provides a web-based application for the sale and servicing of bookings. The core areas of functionality provided are sale of Air and Car products, modification of Air bookings, Customer profiles, Delegated agent and a range of administration functions. Following are main functionalities • B2B and B2C online booking engine • Book air and ancillary products • Modify online bookings • View booking by other channels • Customer Profiles • Reporting and statistics • Integrates with multiple vendors – but primarily used to expose SITA systems
Role & Responsibilities	**Module Lead** • Maintenance and bug fixing • Development of new requirements

	• Interaction with client and team management • Understanding the existing proprietary frameworks, system and knowledge transfer and guidance to team members • Documentation of system understanding
Tools & Technologies	Java, Servlets, JSP, Custom tags, JODA Beans, Apache Velocity, CSS, Java script, XML, XPath, Ant, JDBC, REST and SOAP Web services, Restlet, Eclipse, Oracle 10g, Windows (development) and Linux(production)

7.

Project	**mPurse**
Client	Product
Period	May 2013 – August 2014
Description	This is basically a recharge portal for Mobile, DTH etc. There are various channels such as mpurse, distributor and agent. Semi-closed PPI provides functionality to distributors and agents to transfer funds through NEFT and IMPS from registered senders to receivers holding any bank accounts
Role & Responsibilities	**Assistant Manager** • Maintenance and enhancement in the product as per requirements. • Requirement gathering, and feasibility analysis • Agent-Distributor mapping: Creating one-to-many mapping between distributors and agents. • Jasper reports: Customized community version installation on oracle and created/scheduled all business reports using iReport as IDE. • IMPS transaction service: Implemented ISO8583 specification for IMPS funds transfer. • Messaging Service: Developed Email (velocity templates) and SMS sending common service.
Tools & Technologies	Java, Struts 1.3, Spring 3.x, Hibernate 3.x, JSP/Servlet, Prototype js, Oracle, Jasper reports, iReport designer 5.x, Jasper Server 5.x, Eclipse, ISO8583, Oracle 10g, Windows (development) and Solris(production)

Personal Details

Date of Birth	June 06,1983
Nationality	Indian
Marital Status	Married
Designation	Staff Engineer
Present Address	Gurgaon - 122017, Haryana, India