

# Manoj Sharma

# <https://www.linkedin.com/in/manoj-sharma-72a6641a/>

**Email ID:** [varun.kothval@interaslabs.com](mailto:varun.kothval@interaslabs.com%20) |

**Contact No:** +1 6149928701

**Java Lead/ Senior Java/JEE Engineer/ Senior Full Stack Java Developer**

**Experience Summary**

* Overall, **15 years of work experience in Java/JEE and other Frameworks** with dynamic & result oriented professional having extensive experience in Software/Application Development, Enhancement & Support.
* Extensively involved in System Analysis, designing, Client-Server Software Architectures, multi-tier application Design, 3-tier architecture, Development, and Implementation of database systems**.**
* Actively participated in developing **JAVA/J2EE** technology-based application using various technologies and frameworks like **Web Sphere, BEA Web Logic, JBoss, Struts, Servlets, JSP, jQuery, JSTL, JSON, XML, XSLT, XPATH, JDBC, DOM, SAX, Stax, JAXB, Web services, Spring Framework, EJB, Hibernate, Mongo DB, SQL Server, Oracle** and other extended Technologies and Frameworks.
* An effective leader and communicator with proven abilities in leading team during the project phase, guiding team members and enabling knowledge sharing among the team.
* Experience in working on various spring modules (**Spring Core, Spring MVC, DAO, AOP**) along with Hibernate as the back end ORM tool for implementation of persistence layer and mapping of POJOS.
* Experience in Build Automation tools like **Maven and Gradle**.
* Experience in Build Automation tools like Maven, Jenkins and CI/CD pipelines like Git Lab integrating with **AWS resources like S3, API Gateway, Lambdas, Dynamo DB** etc.

# Knowledge on Blue green deployment as part of automated CI/CD/CD build, deployment and delivery initiative

* Knowledge of Design, build, development and deploy and maintain enterprise level systems and applications.
* Knowledge of version control tools like SVN, GIT and Bit Bucket.
* Expertise in developing **SOAP, RESTful Webservices** and APIs with JSON and XML.
* Strong hands - on experience with **Spring IO, Spring Boot** integrating with microservices and REST services
* Experience of designing **REST APIs following REST design principles**, following **Microservices architecture** pattern.
* Experience in developing **Microservices using Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)**.

# Experience in developing Microservices using asynchronous messages processing using Kafka, RabbitMQ messaging systems and Enterprise Event Exchange framework with Webhook approach.

* Experience in using build/deploy tools such as **Jenkins, Docker** for Continuous Integration & Deployment for Microservices. **Scaling and Docker containers management and resiliency with (EKS) Kubernetes**.
* Proficient in XML technologies like XSL/XSLT, SAX, DOM, XPath, SOAP, WSDL, DTD, XSD, XMI, SOA, JAXB, JAXP, Apache Axis
* Resourceful and deft in all phases of the SDLC (Requirement analysis, development, testing and troubleshooting), with strong programming, software upgrade and application support skills across technology platforms.
* Proficient in designing applications using Java and J2EE Design Patterns such as Creational, Structural, and Behavioral **design patterns** Singleton, Factory, Facade, Builder, Observer, Command Patterns, Value/Data Transfer etc.
* Experienced in implementing presentation layer using **Angular/ReactJS**, JSP, HTML, CSS, Ajax,

**jQuery**, Java script and servlets and in leveraging Opensource Tools.

* Experience in developing and consuming **Web Services** using **WSDL, SOAP, HTTP, and UDDI, event protocols and Webhook approach in enterprise event exchange and event driven architecture**.
* Working experience of 2 years in **front-end frameworks like- Angular 14, 17 and on ReactJS**.
* Experience with Unit Testing frameworks such as with **Power Mock**, **Mockito**, **Junit5 and 4 libraries.**

# Experience with Maven, Gradle, Apache ant, gray logs Dashboard for history logging etc. IDE tools used are: IntelliJ (Jet Brains), STS (Spring Tool Suite), Eclipse 2022-06 4.24, MyEclipse and IBM developer for Z/OS.

* Experience in **Agile/Scrum development methodologies, Agile ceremonies**.
* Working experience of Redis data cache, API calls and other features etc.
* Working experience **in Drools to manage application business rules**.
* **Lift and Shift method** for migrating on-premise applications to AWS and Azure cloud infrastructures

**SKILLS SUMMARY**

|  |  |
| --- | --- |
| **Domain** | Insurance, Banking, Telecom and ecommerce |
| **Programming Languages** | Java/JEE, Python, Java script, Groovy, HTML and SQL |
| **Operating System / ERP Version** | Windows 10, 7, Unix and Linux |
| **Tools/Technologies** | Jet Brains IntelliJ IDE, IBM developer for Z/OS, My Eclipse IDE, Eclipse IDE, STS (Spring Tool Suite), IBM RAD, Oracle Workbench, GitHub, SVN, VSS, Jenkins pipeline CI/CD tool, UCD app packaging and deployment tool, CA Rally agile tool, CA work load automation tool, Load Test, Automated unit test, ESB data power engines, routing framework, ETL tool for XML processing,  HP Quality center |
| **Databases** | Mongo DB, Oracle12c,11g,10g, DB2, SQL server, MY SQL server 2005 |
| **Packages** | Angular JS, Spring boot, Spring core, Microservices, REST API/SOAP, AWS components, Kafka/Rabbit MQ, JPA, Hibernate, Ibatis, EJB 3.x Google web tool kit, wicket UI framework, Struts 2.0,1.x, XSLT and XML parsing programming, Junit frame work,  grey logs centralized historical logging framework, Cloud based services integration and configurations |
| **ERP Components** | PIVOTAL cloud app manager, various data power routing techniques and tools, DB datical, CI/CD/CD automation, Data power  engines, Blue green deployment etc., |
| **AWS/Azure cloud services Components** | S3 bucket, Athena serverless tables, Data Bricks, Lambda, Dynamo DB, SNS and SES, Confluent Kafka, source and sink data integration  connectors, azure cloud services and networking, ECS, AWS Step Functions, EC2, ECS fargate, API gateway, Docker. |
| **Hardware Platforms** | Intel Series |

**WORK EXPERIENCE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Multi Cloud- Kafka Data pipeline and Integration** | Team Size | 12 |
| **Client** | On Semiconductor (Phoenix, AZ) | Designation | Java Tech. Lead |
| **Start Date** | Nov 2023 | End Date | Present |

|  |  |
| --- | --- |
| **Project Description** | * This project is intended to build up a data pipeline from source to target using Confluent Cloud fully managed Apache Kafka integration. * Multicloud architecture from the onsemi customer like Oracle cloud, Azure and Data bricks and Kafka should be able to integrate with these clouds and setup data pipeline. * Utilized Kafka connect features to connect with Onprem and cloud reside source data centers and ingesting data to Kafka from these sources and process through it to any target type like Elastic search, PostgreSQL DB, Snowflake DB, Azure Blob etc. * For reading source data from different on-prem/cloud sources, we used different fully managed/self-managed connectors and even same connectors are available at sink side to consume the data from Kafka topics * The main objective of this project is to setup multicloud handling Apache   Kafka data pipeline with transformation of data wherever needed for data or business needs |
| **Role & Contribution** | * Worked as technical lead and attended client workshop to understand their current need with the curated data and system flow. Also understanding different cloud environments for their data hub. * Worked with dedicated architect and designing the architecture for client POCs from scratch. * Participated in designing the networking solution for client’s multicloud and Azure private networking. * Setup dedicated clusters and other Kafka resources in confluent cloud environment, setting up private link and endpoints in Azure cloud for private networking with dedicated cluster. * Setup confluent cloud Kafka connect fully managed/self-managed source and sink data connectors for onprem and cloud databases like PostgreSQL, Snowflake DB and salesforce cloud. * Confluent cloud CLI command execution to work with Kafka resources. * Angular front-end design and implementation in web-based dash board application utilizing processed data through Kafka data pipeline. * Angular reusable. Independent components design and implements * Sharing data between child-parent directives * Used injectable services, dependency injections. * Worked on route guards. * Worked on Splunk and Zookeeper to manage large set of hosts with multiple Kafka nodes. * Worked on AWS ECS fully managed container orchestration service to deploy, manage and scale containerized apps. * AWS Step Functions to build and manage the workflow, app logic and |

|  |  |
| --- | --- |
|  | implementation.   * EC2 for managing own cloud infrastructure for apps. * ECS fargate to run the containers without managing servers or clusters in ECS2 environment. * API gateway, Docker. * Used Spring Web Flux for reactive asynchronous programming with Kafka. * Handled current data with the user requests without blocking the user requests. * Worked on gRPC for application high performance API services. * Reducing latency and high throughput implemented for microservices. * Faster communication with Http/2 protocol. * Worked on Hibernate, Spring and Angular on Web module development. |
| **Technology &Tools** | Java, Confluent Cloud Apache Kafka, fully managed/self-managed source and sink connectors, Kafka connect, Kafka API key/secrets, Basic and Dedicated cluster setup, topic and KSQL streaming, azure cloud services, Confluent CLI for Kafka resource, PostgreSQL DB, Snowflake DB, Oracle cloud, Salesforce cloud, Jira tool, Confluence collaborative tool, Redis, Angular, Zookeeper, Splunk, ECS, AWS Step Functions, EC2, ECS fargate, API gateway, Docker,  Hibernate, Spring, Angular.etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **CLASS -EMSA** | Team Size | 10 |
| **Client** | Travelers Insurance (Hartford, CT) | Designation | Java Tech. Lead |
| **Start Date** | Dec 2022 | End Date | Nov 2023 |
| **Project Description** | * CLASS EMSA area is dealing with specialty insurance policies area like Ocean Marine Cargo/Non-Ocean Marine multiple line of businesses. * The business objectives of the CLASS EMSA (Travelers Insurance Account) environment are: * CLASS EMSA area and complete policy issuance system. * There are 2 major web applications named here like webMRP and DocsWeb. * WebMRP is manually rated a policy and issuing system. Once policy issued in MRP, data flow goes to another policy document management app named DocsWeb. In this DocsWeb app policy contractual documents | | |

|  |  |
| --- | --- |
|  | are attached to each issued policy with transactions like New Business, RENEWAL etc. |
| **Role & Contribution** | * Identify and define the internal and external stakeholder requirements and come up with architectural solution backed by deep empathetic understanding of end user needs, design driven solutions and right fit technical solutions. * Look after the end-to-end product development lifecycle right from planning, discovery, designing, development till deployment and handover to maintenance. * Mentored team on new requirements and day to day issues if there is any. * Coordinate with QA team for regular testing to address usability flaws, enhancing the experience and provide heuristic evaluations to improve the overall experience of the products. * Worked on Loan IQ helps businesses manage and automate commercial loans reducing processing times, manual processes and integration costs, allowing for greater automation and improved controls throughout the loan servicing lifecycle. * Angular front-end design and implementation in web-based application. * Angular front-end design and implementation in web-based dash board application utilizing processed data through Kafka data pipeline. * Angular reusable. Independent components design and implements * Sharing data between child-parent directives * Used injectable services, dependency injections. * Worked on route guards. * Implemented Java Drools for business rule process management. * Drools implemented for decision tables to manage business rules rather than depending on business logic for rules management. * Lift-Shift approach followed to rehosting on-prem applications to AWS cloud. * Created data MIGR strategy and application strategy. * Evaluating current infrastructure for lifting the application with changes. * Allocating the resources for migration.    |

|  |  |
| --- | --- |
|  | * Worked on Splunk and Zookeeper to manage large set of hosts with multiple Kafka nodes. * Reading unstructured, semi-structured data for logs report generation * Worked on AWS ECS fully managed container orchestration service to deploy, manage and scale containerized apps. * AWS Step Functions to build and manage the workflow, app logic and implementation. * EC2 for managing own cloud infrastructure for apps. * ECS fargate to run the containers without managing servers or clusters in ECS2 environment. * API gateway, Docker. * Used Spring Web Flux for reactive asynchronous programming with Kafka. * Handled current data with the user requests without blocking the user requests. * Worked on gRPC for application high performance API services. * Reducing latency and high throughput implemented for microservices. * Faster communication with Http/2 protocol. * Worked on Hibernate, Spring and Angular on Web module development. |
| **Technology &Tools** | Java8, JSP/Servlet, eclipse IDE, DB2 Custom development frameworks for session handling, React JS and Angular and trained on Node JS, IBM Z/OS connect/API requester, JMeter performance tool, DB2 database, Agile framework, microservices, REST APIs, Spring boot, docker, Kubernetes AWS, Kafka, Rabbit MQ, Maven build tool Jenkins build automation tool, Junit, Redis, Angular, Drools Splunk, Zookeeper, ECS, AWS Step Functions, EC2, ECS fargate, API gateway, Docker, Hibernate, Spring, Angular.etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Data Lakers and modernization** | Team Size | 12 |
| **Client** | Travelers Insurance (Hartford, CT) | Designation | Java Tech Lead |
| **Start Date** | May 2022 | End Date | Dec 2022 |
| **Project Description** | Data lakers project was to handle the streaming of data from different upstream source and storing into middle layer and flow it to multiple downstream systems like billing systems to work with modernized way of data. Single platform to  handle multiple upstream data and take responsibility of lost data during whole | | |

|  |  |
| --- | --- |
|  | flow from upstream to downstream. |
| **Role & Contribution** | * Worked as Tech lead to collaborate and contribute towards product development, at the same time mentoring other team members to contribute and adhere to best coding practices. * Enhancing the quality of data and responsible of any upstream data missing and not available in downstream system. * Responsible for code review before moving to higher environments. * Developing new REST API and microservices for new systems integrated. * Support provided for multiple existing microservice handling the data through either Kafka or Rabbit MW messaging channel. * Involved in critical defect fixing and moving changes to higher regions. * Angular front-end design and implementation in web-based application * Angular front-end design and implementation in web-based dash board application utilizing processed data through Kafka data pipeline. * Angular reusable. Independent components design and implements * Sharing data between child-parent directives * Used injectable services, dependency injections. * Worked on route guards. * Implemented Java Drools for business rule process management. * Drools implemented for decision tables to manage business rules rather than depending on business logic for rules management. * Lift-Shift approach followed to rehosting on-prem applications to AWS cloud. * Created data MIGR strategy and application strategy. * Evaluating current infrastructure for lifting the application with changes. * Allocating the resources for migration. * Worked on Splunk and Zookeeper to manage large set of hosts with multiple Kafka nodes. * Reading unstructured, semi-structured data for logs report generation * Worked on AWS ECS fully managed container orchestration service to deploy, manage and scale containerized apps. * AWS Step Functions to build and manage the workflow, app logic and implementation. * EC2 for managing own cloud infrastructure for apps. * ECS fargate to run the containers without managing servers or clusters in ECS2 environment. |

|  |  |
| --- | --- |
|  | * API gateway, Docker. * Worked on Hibernate, Spring and Angular on Web module development. |
| **Technology &Tools** | Java8, 11, 17, Microservice, Spring Boot, REST APIs, Hadoop, GIT Hub, AWS components like – Athena tables, data bricks and S3 bucket, Lambda, Dynamo DB, SQL server management, snowflakes, Kafka, Rabbit MQ, PCF, docker and Kubernetes, Maven build tool Jenkins build automation tool IBM Urban code  deployment tool, Junit, Redis, Angular, Splunk, zookeeper , ECS, AWS EC2, ECS fargate, API gateway, Docker, Hibernate, Spring, Angular.etc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **TMVS (Technologies modernization)** | Team Size | 12 |
| **Client** | Travelers Insurance (Hartford, CT) | Designation | Team and Tech Lead |
| **Start Date** | May 2021 | End Date | May 2022 |
| **Project Description** | TMVS was purely technologies modernization value stream project where in each PI (Program increment) we have to receive the demand of modernizing legacy apps by scaling market latest versions and technologies. | | |
| **Role & Contribution** | * Worked as team and technical lead and involved in every agile ceremony and planning. * Help development team for any requirement and technical specific fixes. * Assisting in Quality Assurance process and customer issue resolution. * Maintain and performing performance testing after migrating the apps on new technologies or frameworks. * Involved in every scrum ceremony like planning, daily scrum, review and retrospective. | | |
| **Technology &Tools** | Java8, 17, Spring Boot3.x, microservices, Okta authentication, Viper and LDAP authentication and other security modernization, PCF, OCF, Oracle database,  Containerized deployment, Maven build tool Jenkins build automation tool, Junit, Redis etc. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Great American Insurance** | Team Size | 20 |
| **Client** | GAIC - Location (India, Pune, MH) | Designation | Senior Java Developer |
| **Start Date** | Oct 2020 | End Date | April 2021 |
| **Project Description** | This project was including multiple different apps for writing a new insurance business like Duck Creek, submission of inured data to underwriter. Some of them UI web apps to rate and finally issue the policy and others were third party REST | | |

|  |  |
| --- | --- |
|  | API exposed to be used like location service etc. |
| **Role & Contribution** | * Understand new apps/system like Duck Creek and support the app from day one. * I worked on Duck Creek with the end client from Great American Insurance. * Developed new components and tested out independently or in integration. * Coordinate with back-end developer for integration of backend and front end. * Involved in every scrum ceremony like planning, daily scrum, review and retrospective. * Implemented new services with Spring boot and Spring framework. * Prepared presentation on the various new systems that taken care independently. * Worked on Loan IQ helps businesses manage and automate commercial loans reducing processing times, manual processes and integration costs, allowing for greater automation and improved controls throughout the loan servicing lifecycle * Implemented Java Drools for business rule process management. * Drools implemented for decision tables to manage business rules rather than depending on business logic for rules management. * Worked on Hibernate, Spring and Angular on Web module development. |
| **Technology &Tools** | Java, Spring boot, REST API/SOAP based webservice calls, IntelliJ IDE development tool, cloud native apps deployment, credential management, Containerization of apps, Oracle database, Remote debugging, Junit, Mockito,  Agile, SOAP UI, PCF, Drools , Hibernate, Spring, Angularetc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **ODR (Operational data replication)** | Team Size | 10 |
| **Client** | Travelers Insurance (Hartford, CT) | Designation | Java Tech Lead |
| **Start Date** | March 2020 | End Date | Sept 2020 |
| **Project Description** | ODR was operational data replication from very old and legacy mainframe systems to modernized it replicating in new designed system call ODR. This was a scratched development projects in Spring Boot features. | | |
| **Role & Contribution** | * Worked as Senior software engineer. * Part of the development team for scratch app development using mongo DB database. * Enhancing the quality of data processing slow and with legacy infrastructure which increase the cost and time. * Worked with Architect directly on demos and code review and feedback. * Write new ETL tools for some of the new business requirements. * Performance enhancement resulting in accessing the data by other teams. | | |
| **Technology &Tools** | Java 8 features, Spring boot, IBM Mainframe JCICS, mongo DB, Junit, Mockito, Power Mocks, Maven build, Jenkins tools etc. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Premium pipeline** | Team Size | 25 |
| **Client** | Travelers Insurance (India, Pune,  MH) | Designation | Senior Lead Developer |
| **Start Date** | July 2015 | End Date | Feb 2020 |

|  |  |
| --- | --- |
| **Project Description** | Premium Pipeline is being developed as the single funnel point for all policy, premium and other revenue information. The database will provide a single source of full premium/revenue detail for Financial Reporting, Management Information,  Claims Coverage Verification, Billing Information and Statistical Reporting for all Commercial Lines and Specialty Business. |
| **Role & Contribution** | * Developed UI screens using JSF (Java server Faces framework) as front-end technology and in back-end java and EJB framework. * Worked as senior developer and guidance to the team whenever needed help in fixing the issues in current or future development. * Interacted with clients to understand their existing applications and design the application according to their system requirements. * Participated in day-to-day meeting, Scrum meeting, strong reporting and effective communication with Product owner, Scrum Master and Scrum team * Worked on Hibernate, Spring and Angular on Web module development.   . |
| **Technology &Tools** | Java, JSF, EJB 3.0 or later, Oracle 11 and 12c server database, XML, XSLT, JAXB XML parser, Dynatrace performance tool, JMeter scripts, Jenkins build  automation tool, Blue/green deployment, SAOP web services, ESB routing data power, JMS, Ant build tool , Hibernate, Spring, Angularetc. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **KYC (Know your customers)** | Team Size | 20 |
| **Client** | Citi bank NA (India, Pune, MH) | Designation | Senior front end and back-end developer |
| **Start Date** | Aug 2013 | End Date | June 2015 |
| **Project Description** | This is a web application used by Citi bank financial to manage customer data after they successfully registered for Travelers policy. Collecting max info of client data. | | |
| **Role & Contribution** | * Work with client data and provided several new feature and comments. * Developed the HTML template/pages with google web toolkit framework. * Coordinate with other teams for integration of backend and front end. * Involved in every scrum ceremony like planning, daily scrum, review and retrospective. | | |
| **Technology &Tools** | Java, Google web tool kit, SQL, JavaScript frameworks, Maven, Agile Methodology | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Triple – R Data Service** | Team Size | 30 |
| **Client** | Polaris Financial Technologies Limited | Designation | Senior software developer |
| **Start Date** | Dec 2010 | End Date | July 2013 |
| **Project Description** | Triple- R project was a data service project wherein consuming data in XML format from different upstream sources, transform it and store in process tables. There was process control data to trigger the data process and store in tables or pause the process for certain interval of time and resumes on define batch trigger  time. | | |
| **Role & Contribution** | I contributed as senior software developer. My roles and responsibilities are   1. Involved in the project from beginning like development, testing and maintenance phases, 2. Writing Junit test case and build scripts using Apache ant build tool. 3. Working with upstream data sources teams to get the XML data loaded in our system and process it through Triple R data service. | | |

|  |  |
| --- | --- |
|  | 4. Provided initial support in production environment as service developer. |
| **Technology &Tools** | Core Java, XML tools, SAX and Stax parser, java script, JSP/Servlet for another module besides data processing module. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Online Cargo Express** | Team Size | 15 |
| **Client** | Triumph Systems | Designation | Software developer |
| **Start Date** | June 2010 | End Date | Nov 2010 |
| **Project Description** | Online cargo express was an online portal to manage the Cargo services through air services. Maintaining details of HUB, MOB and items details. Generating invoices to the customer, Billing to the customer and other modules. | | |
| **Role & Contribution** | Worked as individual contributor. Following are the responsibilities I handled   1. Individual module developer satisfying all the requirements of the customer. 2. Participated in initial design and integration of modules. 3. Involved in testing and maintenance after production released. 4. Creating custom logging frameworks for the application. 5. Writing tiles and templates for application reusable components in Struts framework. | | |
| **Technology &Tools** | Core Java, Struts 1.x framework, Apache build tool etc. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Online shopping portal** | Team Size | 6 |
| **Client** | HTML Artist Pvt LTD | Designation | Trainee software web developer |
| **Start Date** | Nov 2007 | End Date | Dec 2009 |
| **Project Description** | HTML Artists is a premier Web development company in India. It is used for PSD to XHTML, PSD to Joomla and PSD to Word press conversion services. | | |
| **Role & Contribution** | Contributed as Trainee software web developer. Following are the responsibilities I managed.   1. Website development 2. Learning CSS and other UI rich website technologies like jQuery, CSS etc. | | |
| **Technology &Tools** | HTML, CSS, jQuery, XHTML, web-designing etc. | | |

**EDUCATION:**

**Bachelor of Technology in Information Technology** from **UP Technical University** Lucknow India **2006**