**NAME** : **JAIGANESH MURUGANANDAM**

**CONTACT:**  **9739917555**

**MAIL** **:** **lmjayamuruga6@gmail.com**

**Profile:-**

Expertise in designing, developing, and delivering cloud solutions for enterprise clients. With professional experience of 13.2 years in envisioning enterprise applications using Java/J2ee and cloud-native architecture.

**Experience Summary**

* Have hands-on experience in Java1.8, Spring Boot, Microservice, AWS, Kafka,PCF Cloud, REST web service, Kuberneties,SOAP web service, XSD, WSDL, Spring, JAXB, JPA, Hibernate, JAX-WS,JAX-RS, Maven3.1, Junit4.0, Mockito, SAP Hana cloud Platform (HCP), Pivotal Cloud Foundry(PCF),Jenkins, Docker, Kubernetes.
* Good Knowledge and expertise on implementing Micro-services on cloud using Docker, Pivotal Cloud Foundry, Spring Cloud & AWS, DevOps, along with Cloud Infrastructure and application development space context to PCF and VMWare.
* Extensive experience in Object-Oriented Analysis & Design in the life cycle of software design process, along with proposal development, driving scope, technical requirement definition, spring planning prototyping, interface implementation, testing and maintenance.
* Hands on experience in design and implementation of infrastructure environment provisioning on, PaaS and application stack provisioning on cloud platforms using PCF, Spring Micro-services, Redis DB, AWS suite of products such as EC2, ECS, VPC, Elastic Beanstalk.
* Hands on experience in designing and implementing Cloud Native Apps adopting 12 Factor Design methodology using technology stack such as Spring Boot, spring framework, Microservice. Eureka, Hystrix, Elastic Search, Logstash, Kiban, Zookeeper, PCF, Maven, Jenkins & GIT.

**PROFESSIONAL EXPERIENCE**

**Project: 1**

|  |  |  |
| --- | --- | --- |
| Project Name: | Blue Planet Intelligent (**BPI**) | |
| **Project Domain** | Telecom Networking | |
| **Solution** | Agile method and Scrum development process | |
| **Client** | Ciena | |
| **Role** | Senior Technical Lead | |
| **Organization** | Brillio Technologies, Bangalore | |
| **Duration** | August 2021 to till now | |
| **Environment**  **(with skill versions)** | **Languages:** | Java 1.8, Spring Boot,Microservice, React JS,REST API, Kafka broker, ZooKeeper,Confluent Schema Registry,AWS EC2,EBS,ELB,ECS,S3,ECR,Cloud Formation, Jenkins, Docker, MongoDB |
| **Deployment:** | Kubernetes |

**Project Description and Contribution:**

Blue Planet Intelligent is the Network configuration management system.

It helps administrators analyses network devices to achieve auditable network compliance across industry-specific compliance policies. Every time a configuration is backed up, Network Configuration Manager will automatically run a compliance check on those configurations. Network Configuration Manager also alerts and generates reports whenever a rule/policy gets violated.

**Roles and responsibilities:**

* Involved in daily stand-up meeting with client for the status update.
* Responsible for design and developed microservices with Spring Boot.
* Development of Spring Boot Microservices with microservices security using to OAuth2 framework.
* Development of highly scaled micro services using Spring Cloud. Eureka service registration and discovery mechanisms.
* Implementing highly available micro services through APIGateways such as Zuul.
* Implementing Auto scaling of micro services through Life cycle managers and microservice interprocess communication using Kafka.
* Provide expert advice on application solutions including assisting with design reviews, sprint planning, development, and resolution of technical issues.
* Implemented code for microservices service registration and discovery mechanisms.
* Ability to migrating an application to co-exist in the hybrid cloud, deploying a global cloud application across multiple countries.
* [Build and deploy a microservice with Kubernetes](https://searchitoperations.techtarget.com/tutorial/Build-and-deploy-a-microservice-with-Kubernetes).
* Implemented Junit with mockito for unit test.
* Involved in analysis and fixing of bugs for ST/UAT and production phases.

**Project: 2**

|  |  |  |
| --- | --- | --- |
| **Project Name:** | Deposit-Payment API | |
| **Project Domain** | Banking Domain | |
| **Solution** | Agile method and Scrum development process | |
| **Client** | FRB(First Republic Bank) | |
| **Role** | Technical Lead | |
| **Organization** | Mphasis Limited, Bangalore | |
| **Duration** | Aug 2019 to Aug 2021 | |
| **Environment**  **(with skill versions)** | **Languages:** | 1. Java 1.8,Spring Boot 2.3,Microservice,React JS,Note.js,Spring Fox swagger2.9, AWS, Kafka |
| **Deployment:** | AWS Amazon Elastic Container Service for Kubernetes (EKS) |

**Project Description and Contribution:**

First republic bank API has six main microservices Account Balance, Payment and Transaction API, etc. These API are replaced TIBCO -based process. The transaction flow from Data faction into Eagle Connect via external facing SOAP services, these SOAP services are delegated to internal processes specific to the channel. The Data faction specific process pulls transaction from a queue in the Eagle Connect database.

**Roles and responsibilities:**

* Involved in sprint development planning meeting and gathering for client’s product specifications for every release.
* Involved in scrum grooming meeting with team members for development process.
* Collecting status update from team members for every day standup meeting.
* Involved in Agile Retrospect process for every Sprint release.
* Responsible for design REST API Specification low level design using Swagger Fox API.
* Responsible for Workflow, Sequence diagram, DB diagram using Visual Studio.
* Designed and developed/set supporting capabilities such Load balancer & API Gateway.
* Setup centralized log management and monitoring capabilities for microservices.
* Designed & established logging framework using Elastic Stack (Elastic Search, Kibana and Logstash).
* Configured EC2 instances to run dockerized applications dockerized the microservices for deployment to EC2 instances AWS resources.
* Configured Microservices to run in cluster NP1 Env.Microservice interprocess communication using Kafka.
* Developed DevOps echo system for using Maven, Git, Docker Hub, Jenkins for continuous integration.
* Involved in cloud security for access identify management to security groups.
* Involved in defining and assessing the Cloud Security Strategy, Architecture & Practices.
* Development of Spring Boot Micro services with Microservices security using to OAuth2 framework. .
* Providing design guidance / POC for our managed service steam for continuous optimization.
* Experience on moving on premise workloads to Enterprise Redis from Oracle.
* Understand how to deploy multi-tier application across a custom defined Virtual Private Cloud.
* Implemented Junit with mockito for unit test.

**Project: 3**

|  |  |  |
| --- | --- | --- |
| **Project Name:** | Gain Keeper-FDS | |
| **Project Domain** | Banking Domain -Insurance and Mutual funds | |
| **Solution** | Agile method and Scrum development process | |
| **Client** | JPMC | |
| **Role** | Technical Lead | |
| **Organization** | Mphasis Limited, Bangalore | |
| **Duration** | September 2018 to July 2019 | |
| **Environment**  **(with skill versions)** | **Languages:** | Java 1.8,Spring cloud microservice,Spring boot 1.5, Apache Cassandra 3.0,Spring REST, AngularJS |
| **Deployment:** | PCF Cloud,Gradle |
| **Tools:** | Bitbucket,Git,Eclipse |

**Project Description and Contribution:**

Gain keeper FDS is the JPMC web tool for mutual funds transaction. We have different categories like account feeding, baseline, and transaction. We are collecting data from Main frame files and generating xml.These xml will deployed in PCF and stored in AWS

**Roles and responsibilities:**

* Involved in Sprint development planning meeting for every release.
* Responsible for loaded MF from copy book and generating java beans
* Involved in developed microservice for process Batch for XML generation
* Involved in mapping MF to Apache Cassandra db column
* Involved in deployed in PCF and storing data in Amazon web service storage.
* Implement code for Position recon and Cancel Transaction features in GK.
* Involved in daily standup meeting with client for the status update.
* Implemented Junit for integration test(Create,storage,generat xml)
* Involved in analysis and fixing of bugs for ST/UAT and production phases.

**Project: 4**

|  |  |  |
| --- | --- | --- |
| **Project Name:** | Reveal Link HP | |
| **Project Domain** | Printer & Scanner | |
| **Solution** | Agile method and Scrum development process | |
| **Client** | HP R&D | |
| **Role** | Technical Lead | |
| **Organization** | Mphasis Limited, Bangalore | |
| **Duration** | May 2017 to Aug 2018 | |
| **Environment**  **(with skill versions)** | **Languages:** | Java 1.8,Spring Boot 2.3,Microservice,REST, ,AWS,Jenkins, Docker, Kubernetes |
| **Deployment:** | AWS |
| **Tools:** | Git |

**Project Description and Contribution:**

Reveal Link Technology provides brand owners and publishers the ability to track each individual product unit through its entire lifecycle. Using a combination of marking technologies, Link creates a digital fingerprint that is both adaptable and secure. Giving a unique identity to every package, label, and product delivers brand owners a differentiated technological solution in the ever-escalating battle to protect their brands.

**Roles and responsibilities:**

* Involved in Sprint development planning meeting for every release.
* Involved in scrum grooming meeting for development process.
* Involved in daily standup meeting with client for the status update.
* Responsible for design REST API Specification low level design using Swagger Fox API.
* Responsible for Workflow, Sequence diagram, DB diagram using Visual Studio.
* Implemented Microservice API for NP1.
* Implemented DB layer with mongo DB mapping for Entity.
* Implemented code for Entity,DAO,Service,etc
* Involved java code coverage using JACOCO report generation.
* Implemented Junit for integration test.
* Involved in analysis and fixing of bugs for ST/UAT and production phases.

**Project: 5**

|  |  |  |
| --- | --- | --- |
| **Project Name:** | Enterprise Document Management System(EDMS) | |
| **Project Domain** | Banking Domain Insurance | |
| **Solution** | Agile method and Scrum development process | |
| **Client** | **SwissRe** | |
| **Role** | Application lead developer | |
| **Organization** | Capgemini | |
| **Duration** | March 2016 to April 2017 | |
| **Environment**  **(with skill versions)** | **Languages:** | Java1.7, Spring, AngularJS, SOAP webservice, JAXWS,WSDL, hibernate-jpa, JAXB, Oracle11g |
| **Deployment:** | IBM Web Sphere Application Server 8.0 |
| **Tools:** | Eclipse3.5, Service-Now, Aspose |
| **O/s:** | Window8 |
|  | **Software’s** | SOAP UI, SVN, Documentum 6.1 |

**Project Description and Contribution:**

This project goal is to integrate Swiss Re EDMS with CorSo business applications (CorFlow Work, CorFlow Deal, Point IN, CorDocs Gen2, CorFlow etc) as part of CorSo EP initiative. EDMS integration is one of the many components of overall Corporate Solutions Enabling Program (CorSo EP). The mandate of CorSo EP is to deliver standardization, optimization and governance of Corporate Solutions Operations. The objective of this integration is to ensure that the documents (related to insurance business) resides within Swiss Re system i.e. EDMS. All the document related operations (induction, upload, view, annotate etc) are expected to happen against the Swiss Re’s document management system - Documentum.

**Roles and responsibilities:**

* Involved in EDMS Sprint meeting for every release.
* Involved in analyzing each CR and interacting with onsite team.
* Involved in meeting with client for the status update of team members.
* Involved in EDMS project (SOAP webservice), Consuming support for CORDOC, COMCF, CORSO NAS projects.
* Involved in leading and mentoring for EDMS and consuming EDMS service projects.
* Involved in DocGen Development and fixing issues for EDMS service.
* Involved in developing new web service, XSD, WSDL, business logic for EDMS.
* Involved in fixing UAT issues, production issues.
* Involved in modularization of process manager for eDaaS application.
* Involved in developing and testing with SOAP request and response from EDMS.
* Implemented Junit for process manager and prepared the design document.
* Involved in updating the WSDL file for every sprint release.
* Responsible for deploying build using IBM websphere application server8.0.

**Project: 6**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | eDocument as a Service(PaaS) | | |
| **Project Domain** | Tax Invoice | | |
| **Solution** | Agile method and Scrum development process | | |
| **Client** | **SAP LAB India** | | |
| **Role** | Senior Application Developer | | |
| **Organization** | Tech Mahindra, Bangalore | | |
| **Duration** | **Offshore**: Aug 2015 to Feb 2016 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java1.7, Spring, AngularJS SOAP webservice, JAXWS, WSDL, hibernate-jpa 2.0,JQuery, JAXB, Oracle11g | |
| **Deployment:** | SAP HANA CLOUD Platform(HCP) | |
| **Tools:** | Eclipse3.5(LUNA) | |
| **O/s:** | Window8, Unix | |
|  | **Software’s** | SOAP UI, Git, Jenkins | |

**Project Description and Contribution*:***

eDocument as a Service is a HCP based cloud application. Business Systems like ERP, Ariba, S/4HANA, Concur etc. can communicate with the eDaaS which intern will communicate with the tax authorities. The eDocuments files will be saved in the document repository. HCP Document Service will be used to control operations for these electronic documents. The format of the documents can be XML or other. Using document control, eDocuments content can be saved, read or delete using the Document Control.Multi-tenancy will be supported. For each consumer those will subscribe the eDaaS service, data will be stored in the provider HCP account only. But for each consumer, separate tenant repository will be created by HCP document service.

**Roles and responsibilities*:***

* Involved in Sprint development planning meeting for every release.
* Involved in daily standup meeting with client for the status update.
* Involved in writing eDaaS Controller Classes, eDaaS DAO, and eDaaS Service implementation in Spring MVC Framework using Annotation.
* Involved in modularization of process manager for eDaaS application.
* Involved in developing and testing with SOAP request and response from eDaas to HCI.
* Implemented Junit for process manager.
* Prepared the design document.
* Involved in updating the WSDL file for every sprint release.
* Responsible for deploying build using SAP HANA Cloud Platform (HCP).
* Involved in writing Junit test case with Mockito and Integration testing of functionality.
* Involved in analysis and fixing of bugs for ST/UAT and production phases.

**Project: 7**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | Full Picture | | |
| **Project Domain** | Telecom | | |
| **Solution** | Agile method and Scrum development process | | |
| **Client** | **Thomson Reuters, United kingdom** | | |
| **Role** | Senior Application Developer | | |
| **Organization** | Techmahindra | | |
| **Duration** | Dec 2014 to July 2015 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java1.5, Spring3.1(Annotation),JAXB,AngularJs1.3,CSS,  Hibernate3.6,RESTwebservice,JSON,JAX-RS,Junit4.0,Mockito1.9,JSON | |
| **Database:** | Oracle11g | |
| **Tools & Servers** | SoapUI4.6.4, Spring tool Suite 3.4, Eclipse3.5, Tortoise SVN 1.8, JBoss-5.1.0.GA, Tomcat 7.0 | |
| **O/s :** | Window8, Unix | |

**Project Description and Contribution*:***

Full Picture Fulfillment enables an Order Manager user to allocate a VLAN automatically by selecting a supplier, supplier circuit, POP and Bandwidth for an order. This retires the manual VLAN tracker spreadsheet in the service fulfillment process and improves the SLA for Order Manager a circuit. Fulfillment also enables a network engineer to generate the Logical Enrichment Report (LER) that can be used to produce network device configs, again improving the SLA for CUSTOMER ENGINEERING to configure the CPE. The LER will contain all the fields such as hostnames, IP addresses, BW, port numbers, sub-interfaces etc. for an aggregate router, network switch and router required to generate a live device config.

**Roles and Responsibilities:**

* Involved in Sprint development planning meeting for every release.
* Involved in daily standup meeting with client for the status update
* Involved in designing the Full Picture web pages using spring JSTL
* Involved in writing NCUP Controller Classes with Annotation, NCUP Service implementation in Spring MVC Framework using Annotation.
* Involved in Testing SOAP request and response from NCUP to RDM.
* Involved in updating the WSDL file for every sprint release.
* Responsible for deploying build using JBoss Application server.
* Involved in writing Junit test case with Mockito and Integration testing of functionality.
* Involved in the analysis and fixing of System Test/User-Acceptance-Test and production phases bugs.

**Project 8:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | MaxView Storage Management System | | |
| **Project Domain** | Data Storage | | |
| **Solution** | Agile method and Scrum development process | | |
| **Client** | PMC-SIERRA, United States | | |
| **Role** | Lead Developer | | |
| **Organization** | Smartplay(Aricent)Technologies India Pvt Ltd., Product based company) | | |
| **Duration** | Nov-2012 to Nov-2013 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | JAVA,Vmware, linux, ubuntu, Redhat 7 | |
| **Database :** | Oracle9i | |
| **Tools and Servers** | Eclipse3.5,IBM Web Sphere Application Server 6.1, Tomcat 7.0,JSON,AJAX,JQuery,Apache-Jmeter-2.9 | |
| **O/s :** | VMware ESXi 5.5,RHEL7.1,Window8,Unix | |

**Project Description and Contribution*:***

The MaxView Storage Manager is a web based application and it is build based on the multi-tier system that is composed of presentation tier, business tier and database tier .It makes it simple to view, monitor, and configure all the storage in our system. Centrally manage direct attached storage and networked storage with this single tool.

**Roles and Responsibilities:**

* Involved in the performance testing and load testing using JMeter2.9.
* Involved in the Unit testing and Integration testing of functionality.
* Involved in the analysis and fixing of System Test/User-Acceptance-Test and production phases bugs.

**Project 9:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | Software License Key Generation | | |
| **Project Domain** | Telecom Networking | | |
| **Solution** | Waterfall development process | | |
| **Client** | BROCADE, United States | | |
| **Role** | Developer | | |
| **Organization** | HCL Technologies India Ltd | | |
| **Location** | Bangalore | |  |
| **Duration** | March-2012 to Oct 2012 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java | |
| **Database :** | Oracle11g | |
| **Tools and Servers** | Eclipse3.5,WebLogic Server 9.1, Tomcat 7.0 | |

**Project Description and Contribution*:***

Software license key generation is used for license management (license generation, license transfer, license query) for OEM, Channel Partner and Direct customer. Brocade is the Network solution provider. It sells the software and hardware through the online web application.

**Roles and Responsibilities:**

* Involved in implementing Business Objects to retrieve from Oracle DB.
* Reporting and fixing the bugs after functionality test based on the CRs received.
* Development of Test case and Procedures for developed features.
* Bug solving with onsite co-ordination

**Project 10:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | Misys Cash Portal | | |
| **Project Domain** | Banking Domain | | |
| **Solution** | Agile method and Scrum development process | | |
| **Client** | Misys India Ltd,United State | | |
| **Role** | Senior Application Developer and Lead the team. | | |
| **Organization** | HCL Technologies India Ltd | | |
| **Duration** | March 2011 to Feb 2012 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java1.5, Servlet2.4, JSP2.0, Hibernate | |
| **Database :** | Oracle9i | |
| **Tools,Servers** | Eclipse3.5,JBossServer5.1 | |

**Project Description and Contribution*:***

Misys Cash Portal delivers a single web-based interface through which banks can offer market-leading cash management services, such as bank fund transfers, bulk uploads, recurring transfers, account balances, sweeping and pooling, and SEPA credit transfers. Misys Cash Portal is based on a true, multi-entity architecture on both the customer and the bank side.

**Roles and Responsibilities:**

* Involved in implementing Service layer components.
* Responsible for deploying build using JBoss app server.
* Involved in the analysis, design and implementation of the requirement specifications provided by the clients.
* Involved in the unit testing and Integration testing of functionality.
* Involved in the analysis and fixing of bugs for System Test /UserAcceptanceTest and production phases.

**Project 11:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | Integrated Customer Experience | | |
| **Project Domain** | Telecom | | |
| **Solution** | Waterfall development process | | |
| **Client** | IBM Global Services (IGS), United State | | |
| **Role** | Senior Application Developer | | |
| **Organization** | IBM India Ltd | | |
| **Location** | Bangalore | |  |
| **Duration** | July 2010 to Feb 2011 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java1.5, Servlet2.4, JSP2.0, JavaScript,JSTL,UNIX, | |
| **Database :** | DB29.5 | |
| **Tools and Servers** | IBM RSA 7.5, Eclipse3.5, IBM Rational Clear case, IBM Web Sphere Application Server 6.1, Tomcat 7.0 | |
| **O/s :** | Window8,Unix | |

**Project Description and Contribution*:***

The ICE overall initiative is based on the IBM Global Services (IGS) strategic direction to provide consistent user experience across IGS Lines of Businesses worldwide. The IGS Distribution Channels Management(DCM) team engaged the User Centered Design(UCD) group and developed the first set of UCD-based ICE design specifications in the area of “Learn and Shop” content mainly targeted for US audience.

**Roles and Responsibilities:**

* Involved in the analysis of the requirement specifications provided by the clients.
* Involved in designing the JSP Pages and writing of Action Classes, Form Beans by using MVC Framework.
* Involved in implementing Service layer components.
* Functional testing of front-end screens.
* Involved in implementing Business Objects to retrieve from Oracle DB.
* Reporting and fixing the bugs after functionality testing as per the received CRs.

**Project 12:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | Enterprise Announce Catalog Management | | |
| **Project Domain** | Telecom | | |
| **Solution** | Waterfall development process | | |
| **Client** | IBM Global Services (IGS), United State | | |
| **Role** | Application Developer | | |
| **Organization** | IBM India Ltd | | |
| **Location** | Bangalore | |  |
| **Duration** | Jan 2010 to June 2011 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java,IBM DB2,IBM AIX | |

**Project Description and Contribution*:***

EACM is a trusted source application that offers project information and management for Server Group, Learning and Lenovo. Data that flows from EACM is used in various ways including announcements, pricing some products, catalogs that get published on internal and external web sites, orders, class scheduling and in demand planning systems.

**Roles and Responsibilities:**

* Involved in the development and production support of each phase of application.
* Reporting and fixing the bugs after functionality test ,as per the received CRs.
* Involved in preparing RCA Sheet for Sev1 issues as well as Score Card for Graph Analysis and effectively used Manage Now Tool for issue tracking, creating and status updating process.

**Project 13:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | AT&T Business Voice over IP (BVoIP) | | |
| **Project Domain** | Telecom | | |
| **Solution** | Waterfall development process | | |
| **Client** | AT&T, United State | | |
| **Role** | Application programmer | | |
| **Organization** | IBM India Ltd | | |
| **Location** | Bangalore | |  |
| **Duration** | March 2007 to Dec-2009 | |  |
| **Environment**  **(with skill versions)** | **Languages:** | Java1.5, Servlet2.4, JSP,JavaScript, UNIX | |
| **Database :** | IBM DB29.5 | |
| **Tools and Servers** | IBM RSA 7.5, IBM Rational Clear case, IBM Web Sphere Application Server 6.1, Tomcat 7.0 | |
| **O/s :** | Window8,Unix | |

**Project Description and Contribution*:***

AT&T’s Business Voice over IP (“AT&T BVoIP”) portfolio of services enable the transmission of voice telephone calls in IP format over a BVoIP compatible transport service to and from Customer Sites where both AT&T BVoIP and a BVoIP compatible transport service have been installed. This Service enable digitally encoded telephone calls to be compressed and packetized at the AT&T CPE router and transmitted to another AT&T BVoIP Site (On-Net) to an Off-Net termination point.

**Roles and Responsibilities:**

* Involved in the analysis of the requirement specifications provided by the clients.
* Involved in unit testing and integration testing of functionality.
* Involved in writing of Action Classes, Form Beans by using JSP Framework.
* Involved in implementing Service layer components and Developed Persistent classes.
* Responsible to Integrate JSP and JDBC Components.
* Involved in analysis and fixing of bugs for ST/UAT and production phases.