**Name : Michael Philomin Raj P Mobile : +91 9094523573**

**Summary:**

* A seasoned IT professional with 17.3 years of experience in Java/J2ee based Application Design,

Architecture, Development, Maintenance, Support, Team Building and Leadership

* Expertise in developing Web Application using technologies like Core Java, JDBC, Hibernate/JPA, Spring (Core, Web, MVC, Transactions, JDBC, ORM), Spring Data, Spring Boot Micro services, Spring web flux, Spring Cloud, Restful web services, Maven.
* Worked as a Java Technical Architect for 2 years.
* Worked as Senior Technical Lead for 5 years.
* Worked as Technical Lead for 5 years.
* Have good knowledge of UML and OOAD concepts.
* Have a strong knowledge of analysis, design, development and have ability to identify, define and develop right standards, process.
* Worked on design and architecture of scalable and high-performance software products using modeling techniques and design patterns.
* Expertise in developing Web Application UI using Technologies JSP, JSF
* Having work experience on database connections with Oracle, and Azure SQL.
* Having experience in using GitHub/Azure Git as source control system and Jenkins/Azure YAML Pipelines as CICD.
* Having Knowledge on Azure Cloud, PCF, Spring Cloud and Learning Docker and Kubernetes now
* Having work experience on Rabbit MQ
* Worked in Agile methodology and have experience using Jira and Azure DevOps board.
* Have ability to learn new technologies with minimal time.

**Technical Skills:**

* Programming : Core Java
* Process : Agile, SDLC
* Paradigms : OOPS, UML and MVC
* Frameworks : Spring, Hibernate, JPA, JAX-RS Restful (Jersey)
* Cloud IAAS : Azure Cloud
* Cloud PAAS : PCF, Spring Cloud, Netflix (Eureka, Ribbon, Hystrix and Zuul)
* Container : Docker and Kubernetes (Learning)
* Messaging Broker : RabbitMQ
* Web Frameworks : Spring MVC, And JSF 2.0
* ORM Framework : Hibernate/JPA
* Test and Junit : Junit 4.0/5.0, Mockito.
* Database : Oracle, Azure SQL, and NoSQL (Mongo DB)
* Others : Spring Boot, PMD, SonarQube, Splunk, Dynatrace and Postman
* Build Tool : Maven, Gradle
* IDE : Eclipse, STS, and IntelliJ

**Project Experience:**

**Project# 1:**

**PSD2 Payment Initiation Brokers (PTPI, SPAB and BSPI) – Rabobank**

**Role: IC (1.10 years) and Technical Architect (2 years)**

**Duration: 3 Years and 10 months**

**Description:**

PSD2 Payment Initiation Brokers are exposing APIs to external customers to initiate and manage the payment orders through Third party payment service providers via Open Banking.

**Responsibilities:**

* Worked on migrating the On-Premises legacy monolithic application to Microservices application in Azure-PCF cloud platform.
* Designed and built Microservices application using **MSA Patterns**, **DDD**, **12 Factor App** and **SOLID** principles.
* Worked on an **Application Architecture Design** (e.g., layered architecture, microservices, event-driven architecture).
* Worked on Design about how different components and systems will integrate with each other, including protocols, data formats, and messaging mechanisms.
* Worked on **Deployment** **Integration** and **Infrastructure** design.
* Ensured that the architecture complies with legal, regulatory, and organizational policies and standards.
* Facilitated communication and collaboration among team members and stakeholders to ensure everyone understands and agrees on the architecture.
* Implemented **OAuth 2.0** based user level authorization on accessing the REST APIs using Spring Security.
* Implemented **TLS certificate** validation for authentication of consumer.
* Implemented **Cryptographic Mechanism** to securely exchange the data between TPPs (Clients) and Rabo’s Payment Order APIs.
* Worked on the infrastructure setup and performed Data Migration from On-Premises Oracle DB to Azure SQL DB using **Azure Data Factory** pipeline.
* Addressed operational aspects like logging, monitoring, and maintenance to ensure the system is reliable and easy to manage using **Splunk** and APM tool such as **Dynatrace**.
* Proposed Tech Stack – the right technologies, frameworks, and tools for implementing the architecture based on system requirements, constraints, and industry best practices.
* Worked on Development, Migration and Testing of REST APIs.
* Automated functional testing using BDD framework such as **Karate** and Integrated with CICD pipeline.
* Documented REST API’s definition using **Swagger 3.0**
* Developed Azure DevOps YAML based CI-CD pipelines and integrated with code quality and security check tools such as **SonarQube**, **Fortify** and **CLM**
* Planned on system evolution over time, including strategies for migrating data and transitioning to new technologies or version upgrades.
* Published and exposed REST based Payments APIs to TPPs through **IBM Gateway**.
* Have been mentoring the team technically and been part of **Recruitment Team** of Rabo bank account.

**Project# 2:**

**DataSiteOne – Toppan Merrill, Chennai**

**Role: IC and Senior Technical Lead**

**Duration: 3 Years and 2 months**

**Description:**

DataSiteOne provides the platform to share the property/asset related public and confidential documents between the buyer and seller of the properties or assets. It provides the feature to convert the uploaded document to different expected formats like **Text, PDF, OCT,** and **Word**. Also provides the documents access control, logging of the various activities of both the seller and buyer.

**Responsibilities:**

* Developed Restful APIs using Spring Boot and integrated with Swagger.
* Persisted Data into Mongo DB using Spring Data.
* Deployed source code using Jenkins to Azure-PCF

**Project# 3:**

**Solve (EMC) – CSC, Chennai**

**Role: IC and Technical Lead**

**Description:**

Solve is a Solution Validation Engine, which is a web based, complete end to end solution for change control automation for products implementation and maintenance. The system is used by Customer/Site Engineers, Partners, Approvers and Administrators of EMC.

**Responsibilities:**

* Developed Restful APIs using Spring MVC framework.
* Persisted Data into Oracle DB using Spring JDBC.
* Deployed source code to VMware vFabric server.

**Project# 4:**

**Network Capacity Optimization (Emirates, Dubai, UAE) – CSC, Chennai**

**Role: IC and Technical Lead**

**Description:**

Worked as technical lead for NCO which helps the business user to optimize the schedule of emirates flights. It helps them to raise Flight Upgrade Request, Flight Downgrade Request, Flight Cancel Request, Flight Seat Configuration Request, Flight Time Change Request, Flight Route Change Request, Extra Flight Request, Charter Flight Request to optimize the schedule and revenue of flight services by creating the scenario where in, they do Flight Swap, Flight Cancel, Flight Route/Time change and Charter/Normal flight(s) Creation to implement the request with the help of Profit and Loss calculation process. These requests can be raised proactively by scheduled batch job using the set pre-defined parameters.

**Responsibilities:**

* Developed Restful APIs using Spring MVC framework.
* Persisted Data into Oracle DB using Spring Data.
* Deployed source code to Jboss-eap-6.2.0

**Project# 5:**

**Rx Web for Kroger Pharmacy (Kroger) – CSC, Chennai**

**Role: IC and Technical Lead**

**Description:**

Acted as senior developer for web application for Kroger pharmacy division which is one of America’s largest supermarket chains. As of now they have a thick client desktop application which needs to be converted into web-based applications to be accessible through computers and mobiles. Kroger is America’s largest grocery store chain and second-largest grocery retailer by volume and second place general retailer in the country.

**Responsibilities:**

* Developed web application using JSP and Spring MVC framework.
* And communicated data to other external systems using Apache CXF web service.
* Deployed source code to WAS.

**Project# 6:**

**Qmiles (Qatar Airways, Doha, Qatar) – CSC, Chennai**

**Role: IC and Technical Lead**

**Description:**

It is an online platform which provides the facility to passengers to book tickets using Qmiles credited, purchase Excess Baggage using Qmiles credited and transfer Qmiles to other Privilege Club Member. Qmiles are the points credited to passengers based on the distance they travelled by QR flights. To avail this facility, the passengers must enroll and become a Privilege Club member.

**Responsibilities:**

* Developed web application using JSF, Prime Faces and Spring.
* And communicated data to other external systems using Apache CXF web service.
* Deployed source code to Jboss-eap-6.2.0

**Project# 7:**

**Excess Baggage (Qatar Airways, Doha, Qatar) – CSC, Chennai**

**Role: IC and Technical Lead**

**Description:**

Acted as senior developer for Excess Baggage. It is an online platform which enables the passengers to purchase excess baggage online for QR flights. Excess Baggage admin module is used by businesspeople to configure application data and rules.

**Responsibilities:**

* Developed web application using JSF, Prime Faces and Spring.
* Persisted Data into Oracle DB using Spring Data.
* Deployed source code to Jboss-eap-6.2.0.

**Project# 8:**

**Web Check-In (Qatar Airways, Doha, Qatar) – CSC, Chennai**

**Role: IC and Technical Lead**

**Description:**

It is an online platform which enables the passengers to check-in online, select the seats available and print the boarding pass. Also, they can opt for mail and mobile boarding passes only for QR flights. Web Check-In admin module is used by the business-people to configure application data and rules.

**Responsibilities:**

* Developed web application using JSF, Prime Faces and Spring.
* Persisted Data into Oracle DB using Spring Data.
* Deployed source code to Jboss-eap-6.2.0.

**Project# 9:**

**Renewables Customer Portal (GE) – IGATE Patni, Chennai**

**Role: Senior Developer**

**Description:**

It is a website where customers can go for all their turbine needs, will add significant customer value. This requirement is to develop a one-stop shop for the customer to manage their assets effectively. A customer asset management portal to be used by customers and asset managers as primary tool to manage their assets.

**Responsibilities:**

* Developed web application using JSF Portlet, JBOSS Portlet and Spring.
* Persisted Data into Oracle DB using Spring ORM with Hibernate.
* Deployed source code to JBoss Portal Server.

**Project# 10:**

**MetLife Institutional Bulk Check Strategic Development – Panti, Bombay**

**Role: Developer**

**Description:**

It is a re-engineering project that is aimed at mitigating the cause(s) of SAS70 and Internal audit findings by developing automated processes and preventive controls geared towards eliminating control deficiencies, thereby reducing financial risk.

**Responsibilities:**

* Developed web application using Flex and Java.
* Persisted Data into IBM DB2 using Spring JDBC.
* Deployed source code to Web Sphere 6.1.

**Project# 11:**

**Universal Reinsurance System – Panti, Bombay**

**Role: Developer**

**Description:**

It is a re-insurance module which is a proven solution for Ceded and Assumed Reinsurance Management. Within this single integrated system, URS provides reinsurance administrative functions from the contract

definition through claims, accounting, and cash year-to-end statutory reporting. URS processes all types of reinsurance; ceded, assumed, retroceded, treaty, facultative, proportional, and non-proportional.

**Responsibilities:**

* Developed client/server application using Swing, Java, and Spring.
* Persisted Data into IBM DB2 using Spring ORM with Hibernate.
* Deployed source code to Jboss-4.2.1.

**Qualifications:**

**B.E – Computer Science and Engineering** from Anna University, Chennai, Tamil Nadu.