Michael Philomin Raj

Chennai, India

+91 9094523573 • michaelraj.p@gmail.com

LinkedIn

Personal Details:

October 18, 1984 • Indian

Male • Married

Information Technology Professional

Highly skilled and adaptable engineering professional with over 17.3 years' experience in developing software applications for Banking, Airline, Insurance, Energy and M&A industries.

Driven professional adept in Java, J2EE programming, Spring Boot with hands-on experience applying agile methods to software development. Proven success in leading complex projects with cross-functional teams for large clients. Expert in Cloud Migration of Legacy Java based Applications. Possess outstanding Cloud Migration, Interpersonal and Communication skills.

Web Application Development / Java, J2EE Programming / Cloud Migration / Payment Initiation Brokers for Banking Domain/Reinsurance Management System for Insurance Business / Airline Passenger Web Check-in, and Excess Baggage Systems

TECHNICAL PROFICIENCIES

Programming Languages:	Java 8, NodeJS
Skills:	Spring Boot, Microservices, Cloud Migration, Azure DevOps, Azure Cloud, Pivotal Cloud Foundry, Spring Cloud Config Server, Splunk Dashboard, Maven, Gradle, RESTful, JSON, RabbitMQ, Spring Security, Swagger3.0, Hibernate and Spring Data JPA, Spring Integration, Docker and Kubernetes.
Cloud Skills:	Azure Cloud Computing, Pivotal Cloud Foundry (PCF)
Databases:	Oracle DB, Azure SQL DB
CI&CD:	Pipelines using Azure DevOps
Operating Systems:	Mac OS Monterey, Windows 10.

PROFESSIONAL EXPERIENCE

Technology Architect (Mar 2024 – till date) **Maveric Systems Limited, Chennai, India**

Worked as a Java Technical architect on a POC to design and build an address book implementation using Spring Integration for Citi Bank.

Technology Architect (May 2020 – March 2024) **Cognizant Technology Solutions, Chennai, India**

Worked as a Java Technical Architect for the client assigned projects. Followed Spotify Agile Methodology. Involved in software development for payments services in Open Banking Domain. Mentored Juniors.

…Continued…

Key Projects:

PSD2 Third Payment Initiation (PTPI) –Rabobank, Netherlands:

Acting as Technical Architect , designed and migrated the On-Premises legacy monolithic application to Microservices based application in Azure-PCF cloud environment using Agile scrum. Developed REST APIs as an Individual Contributor.

Technical Scope: Java 1.8, Spring Boot, Pivotal Cloud Foundry (PCF), Azure Cloud &DevOps, Cloud Computing Server, CI-CD pipelines, Swagger, Maven, Jira, IntelliJ, Tomcat 8, Splunk Dashboard.

Key Contributions:

- Designed and built Microservices based application using DDD , SOLID and 12 Factor App principles.
- Used MSA patterns to build various components in the Microservices based application.
- Implemented OAUTH2.0 based security using Spring Security module
- Implemented Cryptographic Mechanism to securely exchange the data between TPPs (Clients) and Our 'Payment Order' initiation and management APIs.
- Migrated the On-Premises legacy monolithic application to Microservices based application in Azure-PCF cloud platform. Developed CI-CD pipelines.
- Worked on setting-up of the infrastructure and Performed Data Migration from On-Premises Oracle DB to Azure SQL DB using Azure Data Factory pipeline.
- Documented the definition of REST APIs using Swagger 3.0
- Worked on Development,Testing of REST APIs for a new micro-service called BSPI
- Have been monitoring and maintaining the Micro-services based application in Azure-PCF cloud environment
- Have been mentoring the team technically and also been part of recruitment team of Rabo bank account in CTS

Work Location: Chennai, India

Awards & Achievements: Received Cognizant Cheers Award for outstanding performance in the project.

Technical Lead (Mar 2017 – Apr 2020)   **Toppan Merrill, Chennai, India**

Worked on assigned client project, engaging in variety of tasks to assess business needs and functionalities for the proposed application for M&A business. Mentored Juniors.

Key Projects:

DataSiteOne: Acting as Lead Developer, built the RESTful API using Microservices framework leveraging the Agile methodology of Software Development.

Technical Scope: Java 1.8, Microservices using Spring Boot, Spring Data using MongoTemplate, Swagger, Postman, Gradle, Junit, GitHub, Jira, IntelliJ, Tomcat 8, Jenkins, App Dynamics, RabbitMQ, Groovy, Spock Framework, Mockito, JWT, Spring Security OAuth2, Spring Security JWT, SonarQube, JFrog Artifactory Manager

Key Contributions:

- 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.

Work Location: Chennai, India

Senior Developer / Technical Lead (Jan 2012 - Feb 2017)   **DXC Technologies, Chennai, India**

Contributed to several project teams, delivering solutions to clients within the Airline, Healthcare and Insurance industries. Mentored Juniors.

Key Projects:

<u>Solve (EMC)</u>: Acted as technical lead for 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.

Technical Scope: Java 7, Spring MVC, STS, JSON, Java Script, HTML 5.0, Hibernate 4.0, VMware vFabric server, Oracle 11.0, tortoise SVN, Jenkins, Spring Batch 3.0.2, Spring security 3.2.5, Spring JDBC Template

Key Contributions:

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

Work Location: Chennai, India

<u>NCO (Emirates Airlines)</u>: Acted as technical lead for NCO which helps the business user to optimize the schedule of emirates flights/aircrafts. 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.

Technical Scope: Java 1.8, Spring 4.0.5, Spring Batch 3.0.0, Spring MVC, Spring Data using JPA Template, JPA 2.0, Hibernate 4.2.7, JDBC, Appache-activemq-5.10.0, Apache-maven-3.0.5, SVN, Junit, Oracle 11g, Sonar Qube 4.2, Jenkins 1.546 and Jboss-eap-6.2.0

Key Contributions:

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

Work Location: Dubai, UAE

<u>Rx Web for Kroger Pharmacy (Kroger)</u>: 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 thick client desktop application which needs to be converted in to 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.

Technical Scope: JSP, Spring MVC, Apache CXF, WAS, Maven3, Spring STS, SVN and Junit

Key Contributions:

- 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*.

Work Location: Noida, India

Qmiles (Qatar Airways): Acted as senior developer for Qmiles. 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.

Technical Scope: JSF, Prime Faces, spring, Apache CXF, Maven3, Spring STS, SVN, Junit and Jboss-eap-6.2.0

Key Contributions:

- 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*.

Work Location: Doha, Qatar

Excess Baggage (Qatar Airways): 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.

Technical Scope: JSF, Prime Faces, spring, JPA, Maven3, SVN, JUnit, Oracle 10g and Jboss-eap-6.2.0

Key Contributions:

- 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*.

Work Location: Doha, Qatar

Web Check-In (Qatar Airways): Acted as senior developer for Web Check-In. 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 pass only for QR flights. Web Check-In admin module is used by business people to configure application data and rules.

Technical Scope: JSF, Prime Faces, spring, JPA, Maven3, SVN, JUnit, Oracle 10g and Jboss-eap-6.2.0

Key Contributions:

- 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*.

Work Location: Doha, Qatar

Web Check-In (Qatar Airways): Acted as senior developer for Web Check-In. 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 pass only for QR flights. Web Check-In admin module is used by business people to configure application data and rules.

Technical Scope: JSF, Prime Faces, spring, JPA, Maven3, SVN, JUnit, Oracle 10g and Jboss-eap-6.2.0

Key Contributions:

- 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*.

Work Location: Doha, Qatar

Awards & Achievements: Received CSC's 'SPOT' award for valuable contribution in the recruitment process.

Senior Developer (Jan 2010 - Jan 2012)   **iGATE Patni, Chennai, India**

Contributed to a project team, delivering solutions to client within the energy sector.

Key Project:

Renewables Customer Portal (General Electricals): Acted as senior developer for website, where customers can go for all their turbine needs, will add a significant customer value. This requirement is to develop a one-stop shop for the customer to manage their assets effectively. Customer asset management portal to be used, by customers and asset managers as primary tool, to manage their assets.

Technical Scope: Windows 7, JBoss Portal, Portlets, JSF, spring, Hibernate and Oracle 10g

Key Contributions:

- 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*.

Work Location: Chennai, India

Awards & Achievements: Received IGATE Patni's 'R&R' and 'CEO' awards for valuable contribution in the project.

Developer (Jan 2007 - Dec 2009)   **PCS (Patni Computers Systems), Mumbai, India**

Contributed to a project teams, delivering solutions to client within the insurance business.

Key Projects:

MetLife Institutional Bulk Check Strategic Development: Acted as developer for a re-engineering project that 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.

Technical Scope: Windows 7, Flex, Action script, BlazeDS, Java, Spring JDBC, DB2, Web Sphere 6.1, RSA 7.0

Key Contributions:

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

Work Location: Mumbai, India

Universal Reinsurance System (PCS): Acted as developer for re-insurance module which is proven solution for Ceded and Assumed Reinsurance Management. Within this single integrated system, URS provides reinsurance administrative functions from 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.

Technical Scope: *Windows XP, Java, Swing, Hibernate, spring, Jboss-4.2.1, DB2 8.1, My Eclipse 6.0, Subversion, Aqua Data Studio and VSS*

Key Contributions:

- 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*.

Work Location: Mumbai, India

Awards & Achievements: Received Patni's 'Dream Team' and 'Pat on the Back' awards for valuable contribution in the projects.

EDUCATION AND TRAINING

Bachelor of Engineering, Computer Science and Engineering
Madha Engineering and Technology, Chennai, India