

# Karthik Prabhu Mariappan

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## Summary

- Senior Java Developer with 13 years of experience in various Java/J2EE tools and technologies.
- Experience in Software Development Life Cycle (SDLC) using various project management processes ranging from Waterfall to Agile methodology working on tools like Jira.
- Experience in Core Java, J2EE, EJB, Servlet, JSP, Hibernate, Spring, XML, JSON
- Proficient in designing and building applications using Spring Core, MVC, Hibernate ORM
- Experience in RESTful Web Services using Spring, Spring Boot, Hibernate, JSON
- Experience in Microservices architecture using Spring Boot
- Experience in SQL to write simple/complex queries and basic knowledge in Stored Procedure, Functions, Triggers, Views and experience in RDBMS using Oracle
- Proficient in designing dynamic web applications using HTML5, CSS3, JavaScript, JQuery, AJAX, JSON
- Knowledge on designing Single-page Applications using Angular
- Knowledge on building and deploying spring components on the CI/CD pipeline using DevOps tools like Jenkins
- Knowledge on deploying Angular/Spring components on the Red Hat OpenShift Container Platform
- Experienced in web/application servers like Apache Tomcat, WebLogic.
- Developed test cases and performed unit testing using JUnit
- Motivated to upskill through continuous learning and challenging projects

## Technical Skillset

<b>Languages</b>	Java (JDK 5, 6, 8), SQL, PL/SQL
<b>J2EE Technologies</b>	Java SE 8, Spring MVC, AOP, Spring Cloud, Spring Boot, Servlets 2.3, JSP 1.2/2.0, EJB 2.0/3.0, JDBC 2.0, Microservices, REST Services, JNDI, MAVEN, Apache POI, HTML, CSS, JS
<b>Operating Systems</b>	Windows 7, Windows 10, Solaris, Unix
<b>Web Technologies</b>	HTML, CSS, JavaScript, JQuery, Ajax , Angular
<b>Databases</b>	Oracle 10g/12c
<b>IDE Tools</b>	Eclipse, Weblogic Workshop, Visual Studio Code
<b>Application Servers</b>	WebLogic, Tomcat
<b>Build Tools</b>	Maven, Ant
<b>Testing Tools</b>	Junit, SOAPUI, Postman
<b>Version Controls</b>	GIT, Bitbucket, SVN, VSS

## Career Profile

13 years of experience in Tata Consultancy Services - **Bank of America** relationship (**2009 – till date**) on various projects.

**2019-till date**

**Tata Consultancy Services – Bank of America**

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<b>Title</b>	GBAM Entity Management System(GEMS)
<b>Period</b>	October 2019 – till date
<b>Position</b>	Lead Developer
<b>Responsibilities</b>	Design and develop solution to transform complex Monolithic WebLogic Portal and MVC components to Spring Boot Microservices and redesign of JSP pages in Angular
<b>Project</b>	<p>GBAM Entity Management System (GEMS) is a digital transformation project, built to remediate the legacy applications from declining non-permitting WebLogic Portal technologies to GWB strategic technologies. Application user interface is designed using HTML5, CSS3, Angular and legacy Java application components are modernized into Microservices using Java 8, Spring Boot, Spring MVC, Hibernate.</p> <p>Carried out the following activities:</p> <ul style="list-style-type: none"><li>• Identify business logic domain within legacy Java Application</li><li>• Calculate, minimize, present interdependencies to optimize microservice creation</li><li>• Design and develop RESTful APIs, merge/split services, refactor code and remove dead code</li><li>• As a SME in the legacy application, capture and explain business requirements and UI requirements</li></ul>
<b>Operating System</b>	UNIX, Windows
<b>Technology</b>	Java, Spring Boot, Spring Framework, Hibernate, RAML, JSON, XML, PL/SQL
<b>Tools</b>	Eclipse, Visual Studio Code, Weblogic, JIRA, Jenkins, Postman, GIT, Bitbucket, Maven, SonarQube, Toad.
<b>Project Location</b>	Chennai, India

**2018-2019**

**Tata Consultancy Services – Bank of America**

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<b>Title</b>	AsyncConcordance – Bulk Upload Utility
<b>Period</b>	October 2018 – September 2019
<b>Position</b>	Senior Developer
<b>Responsibilities</b>	Design and develop Asynchronous Java process to address data mismatch between CED and Cesium
<b>Project</b>	AsyncConcordance – Bulk Upload Utility is a batch processor for Client Re-onboarding, create new GEM entities and update existing GEM entities. This provide capability to do partial update fields like Alternate Identifiers, Foreign Identifiers, LEM and GEM Hierarchy

Carried out the following activities:

- Design and develop Java processes for batch processing
- Design and develop business logic to validate and process the records using Spring Core
- Implement persistence layer for partial update using Hibernate in conjunction with Spring JDBC Template
- Implement Service delegate layer to consume external SOAP services for Client Re-Onboarding process
- Write Junit test cases for Unit Testing

**Operating System**

UNIX, Windows

**Technology**

Java, Spring Framework, Hibernate

**Tools**

Eclipse, Weblogic, JIRA, Jenkins, GIT, Bitbucket, Maven, Toad.

**Project Location**

Chennai, India

**2015-2018**

**Tata Consultancy Services – Bank of America**

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**Title**

Global Metadata Portal (GMDP)

**Period**

January 2015 – October 2018

**Position**

Onshore Lead Developer

**Responsibilities**

Design and develop a frontend application to manage all metadata assets

**Project**

Global Metadata Portal (GMDP) is a single, simple-to-use front end application to manage all metadata assets and governance processes for GCB, GBAM Data Management and other interested parties. This application manage Metadata assets including Key Business Element, Data Flows, Operational or Technical Controls, Data Quality /Integrity Scorecard. This provides capability for Data Stewards to provide Acceptance/Sign off for defined Key Business Element.

Carried out the following activities:

- Design and develop Application User Interface using JSP/HTML/CSS
- Design and develop reusable components like Data Grid Component with sorting/pagination, Application Auditing, Error Reporting Component using Spring AOP, Bulk Upload component using XML configuration files
- Design and develop application navigation, authorization control and business logic in Java, Spring MVC and Hibernate
- As a Lead Developer working Onsite, involved in requirement discussion/design, assign tasks to offshore developers

**Operating System**

UNIX, Windows

**Technology**

Java, Spring Framework, Hibernate, JSP, JMS, HTML, CSS, JavaScript, JQuery, XML.

**Tools**

Eclipse, JIRA, Putty, Ant, Soap-UI, WebLogic, SVN, Toad.

**Project Location**

Charlotte (US), Chennai (India)

2009-2014

**Tata Consultancy Services – Bank of America**

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<b>Title</b>	Data Management Portal (DMP)
<b>Period</b>	November 2019 – December 2014
<b>Position</b>	Developer
<b>Responsibilities</b>	Design and develop Application UI screens using JSP, navigation, authorization and business logic using WebLogic Portal pages, Spring Portlet MVC and Spring JDBC
<b>Project</b>	<p>Data Management Portal (DMP) is the primary tool used by the Data Management Organization (DMO) for the Client/Customer data setup and maintenance on the Core Entity Database (CED) in support of lines of business in Global Banking and Markets, Global Commercial Banking, Special Assets Group and US Trust.</p> <p>Carried out the following activities:</p> <ul style="list-style-type: none"><li>• Design and develop solutions to new Application UI screens using JSP, HTML, CSS</li><li>• Design and add new menu/tabs using WebLogic Portlets and navigation to new menu using Spring Portlet MVC</li><li>• Design and develop authorization, business logic using Spring MVC, Spring JDBC</li><li>• Design and develop custom tags which will be reused across application for various popup functions like Client Search, Associate Search, Client Information, Associate Information</li><li>• Verify the stability and health of the application and maintaining the production environment up and running</li><li>• Analyze and provide solution to production issues like application issue, environmental issue, interoperability issue with external systems, etc.</li></ul>
<b>Operating System</b>	UNIX, Windows 7
<b>Technology</b>	Java, WebLogic Portal, Spring Portlet MVC, JDBC, JavaScript, HTML, JSP, Servlets, JQuery, HighCharts
<b>Tools</b>	WebLogic Workshop, WebLogic Portal Server
<b>Project Location</b>	Chennai, India

**Academic Details**

<b>Course</b>	<b>Specialization</b>	<b>University/ Institution</b>	<b>Year</b>
Master of Computer Applications	Computer Science and Applications	PSG College of Technology, Coimbatore, India	2006-2009
Final Semester Project/Internship	Microsoft SQL Server Reporting Services	Intel Technology India Pvt. Ltd, Bengaluru, India	2008-2009
Bachelor of Science	Computer Science	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, India	2003-2006

## Corporate Certifications/Trainings

Digital/Technology	Process/Domain
<b>Digital</b> : Spring Boot, Angular 4, Node.js, HTML5-CSS3, Bootstrap, JavaScript Essentials, DevOps (CI/CD)	<b>Leadership</b> : Technical Documentation and Effective Technical Writing
<b>Digital</b> : HYBRID App Development - BFS Web Modernization_Foundation	<b>Process</b> : Agile Way of Working Foundation
<b>Foundation</b> : Java API Management and MicroServices	<b>Process</b> : Software Security Assurance - HiTech
<b>Foundation</b> : Java Architecture Program	<b>Domain</b> : General Banking

## Honors & Awards

### Special Achievement Award (2021)

Award for excellent contribution in Digital Transformation Project – GEMS as a Technical Lead and SME from the Proposal Winning to Go-Live

### Star of the Month Award (2022, 2020)

Award for being a Technical Lead handling the project effectively in critical phase and extended support as SME to translate the Business requirements into Technical Requirements

### On the Spot Award (2022, 2020, 2014, 2012, 2011)

Won this award multiple times for my dedication and accountability on my different assignments from being a Trainee to Technical Lead

### Service & Commitment Award (2019, 2014, 2012)

Award for continued service and commitment to firm by creating optimum level of value to the stakeholders

### Star of the Learners Group Award (2010)

Won this award for being a Top Performer in the TCS Training – Initial Learning Program