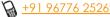# PRABHU PRABHAKARAN

10+ Years of Comprehensive Experience in IT Industry with niche skills that allows to deliver reliable and scalable software. Having demonstrated history in Java, Full stack, and DevOps Technologies. Interested in ML and Blockchain

✉ P.R.C.PRABHU@GMAIL.COM   in PRABHU PRABHAKARAN   📱 +91 96776 25269   🌐 prabhuprabhakaran.info

Synopsis

- 10+ Years of comprehensive experience in IT Industry with phenomenal programming skills in Java Technologies and Open-Source software's in various domains such as BFSI/ERS/Healthcare/SDLC/E-Commerce/Privacy/E-Commerce.
- 10+ Years of experience in Core-Java, Multi-Threading, JMX, JMS, JNDI, JDBC, Swing, AWT, Rich Client Application Frameworks such as Netbeans Framework and Eclipse SWT, Schedulers such as Quartz, SOAP, REST Services, TCP, UDP, NIO
- 10+ Years of experience in Data Formats and Schemas such as XML, YML, JSON, XSLT.
- 8+ Years of experience in Java based Web application technologies and ORM such as Struts, Spring, JSP Servlets, Hibernate
- 8+ Years of experience in Open-Source tools like ANT, Maven, SCM (VSS, SVN, GIT)
- 6+ Years of experience in Java Micro Service based application such as Spring-Boot, Spring-Batch, Spring-Security, Spring-Cloud, NodeJS
- 4+ Years of experience in Front-End Technologies such as HTML, JS, CSS, SCSS, AngularJS, Angular 6-8 and ReactJS
- 4+ Years of experience in DevOps tools like JIRA, GIT, Ansible, Docker, Jenkins, Linux Environments, Shell Scripts such as Bash and AWK
- 2+ Years of experience in Container Orchestration technologies such as Kubernetes.
- 2+ Years of experience in Cloud Technologies AWS and Azure
- Strong working knowledge of Micro-Services, Event-Driven, Monolith and API Architectures
- Good Knowledge and hands-on in the remote method invocation (RMI) such as COM, D-COM, CORBA, gRPC
- Good Knowledge and hands-on in indexing and data lookup using Apache Lucene
- Good Knowledge and implemented Integration with BPM Tools such as JBPM, Drools, Activiti BPM, Camunda
- Good knowledge in Data Parsing techniques and libraries such as DOM, SAX1&2, XPP, EDI, GEM/SECS II, HL7, SWIFT Exchange, FIX and Fast Exchange, ANTLR, JAXB, JAXP, ISO8583, LZO Compression
- Good Knowledge in ETL Tools like Clover and Pentaho
- Good Knowledge and experience in Mobile Technologies Blackberry, Android (SDK and NDK), Cordova, Kotlin and Flutter (DART)
- Worked with web servers like JBoss (WildFly), WebSphere, Tomcat, Ngnix and Jetty
- Worked with WebSocket, Long-Pooling and SSE (Server Send Events)
- Worked with Database like MySQL, Postgres, Mongo, Oracle
- Extensively used various design patterns such as MVC, Singleton, Session Facade, Service locator, Factory, DAO, DTO, and Business Delegate in the development of n-tier distributed Enterprise Applications.
- Knowledge in AWS cloud infrastructures like EC2, ECS, EKS, S3, SNS, SQS, Lambda, S3 Athena, API Gateway, Route 53, VPC.

- Knowledge in Azure cloud infrastructures like VMs, Azure Functions, Container, Kubernetes, Blob Storage, Active Directory, Cosmos
- Good Knowledge in Cloud Discovery Services and API Gateway such as Eureka and zuul
- Exposure to all phase in Software Development Life Cycle (SDLC)
- Strong experience in requirement, analysis, design, development, modelling, reviewing, application performance tuning, and unit/integration/performance testing.
- Having good understanding in Software Development Life Cycle (SDLC) and experienced with agile process for a new project from the scratch.
- Flexible and versatile to any new condition and work on any environment.
- Talented problem solver able to think "outside the box."
- Good cooperative person with great correspondence, self-learning, and relational aptitudes
- Motivates technical team to meet their development goals.
- Able to deal with multiple roles in parallel and extends and adaptable with new technology in quick turnaround.
- Excellent communications skills. Adopt at building strong working relationships with coworkers and management.

Technical Experience

LANGUAGES & TECHNOLOGY

Front End:	HTML, JavaScript, JQuery, Angular
Server Side:	PHP, Java, JSP/Servlets, Struts, Spring, Spring Boot, Spring Batch, Spring Cloud
Database:	Oracle, MySql, Hsqldb, Sqlite, Derby, Postgres, Mongo
Operating System:	Linux Shell (Bash), Windows Shell (Bat)
Networking:	Networking (NIO, TCP and UDP)
Messaging:	JMS (Active MQ), Kafka
Thick Client:	Net beans RCP, Eclipse RCP, and Swing Application Framework
Source Control:	VSS, SVN, GIT, Github, Gitblit, BitBucket, GitLab
Data Formats:	FIX, Fast, EDI, HL7, ISO8583, SWIFT, SECS/GEM, XML, JSON, YML
Mobile:	Blackberry, Android, Cordova, Flutter
Servers:	Tomcat, WebSphere, JBoss, Jetty, Ngnix, HTTPD
DevOps Tools:	ANT, Maven, Gradle, Jenkins, Ansible, GIT, SONAR, Docker, Helm, Kubernetes, ISTIO
BPM Tools:	JBPM, Drools, Activiti, Camunda
Cloud Applications:	AWS: EC2, ECS, EKS, S3, SNS, SQS, Lambda, S3 Athena, API Gateway, Route 53, VPC,
	Azure: VMs, Azure Functions, Container, Kubernetes, Blob Storage, Active Directory, Cosmos
Other Technologies:	ETL (Clover & Pentaho), Hibernate, SOAP, REST, Lucene, Hazelcast, Quartz, OWASP, PMD, FindBugs, CheckMarkx, Fortify Scan, Netbeans, Eclipse.

Professional Experience

- **WALMART LABS**   **JUL 2020 – TILL DATE**
    Senior System Engineer
- **TPF SOFTWARE INDIA P LTD**   **MAY 2015 – JUL 2020**
    Technical Lead   Dec 2018 – Jul 2020
    Principal Engineer   Jun 2018 – Nov 2018
    Senior Software Engineer   Oct 2016 – May 2018
    Assistant System Engineer   May 2015 – Sep 2016
- **HCL TECHNOLOGIES**   **JAN 2014 – MAY 2015**
    Software Engineer
- **KG FINANCIAL SOFTWARE P LTD**   **OCT 2011 – JAN 2014**
    Software Engineer
- **KG INFORMATION SYSTEMS P LTD**   **FEB 2011 – JUN 2011**
    Software Trainee

Onsite Experience

- Have been in Travelport, Denver, CO, USA for Tech and Business Discussions in 2017/18
- Have been in MRKT.inc, Miami, FL, USA for Implementation in 2017
- Have been in KLA-Tencor, Milpitas, CA, USA for Implementation in 2014
- Have been in HSBC, Mumbai for Requirement Gathering in 2012

Awards/Recognitions

- **WALMART**
    o Won Global Techathon on Walmart in Blockchain
    o Excellence Award for the year 2021 - 2022
    o AOM (Associate of Month) Awards – Multiple times
    o Bravo Awards (Aug 2021)

- **TPF SOFTWARE INDIA P LTD**
    o Multiple Client Appreciations and recognitions

Academic Details

- **ANNAMALAI UNIVERSITY**
    Bachelor of Engineering, Information Technology, 2006 – 2010, 83.00%

Projects Worked

These are some client specific projects that I have been worked for, apart from these I had worked parallel in some other projects (internal/client specific/PoC)

Digital Citizenship - Privacy

Technical Environment	: Java, Spring, Jenkins, Docker, Kubernetes
Duration	: July 2020 – Till Now
Client	: Walmart

Description:

Building a privacy platform that gives consumers more control over the personal information that businesses collect about them. It facilitates the consumer right to know, right to delete, right to opt-out based on the law for all the states in US and other countries.

Roles/Responsibilities/Contributions:

1. Involved in all phases of Software System Life Cycle – research, analysis, requirement discussion, system specification, design, implementation, testing, and integration.
2. Responsible for leading a team of 3 members and doing implementation, code review and help the team members for any concern on technical side.
3. Making the Low-level design for the implementations
4. Creating restful services using Spring, Spring Boot, Spring MVC and Spring Cloud frameworks in the development.
5. Consuming the restful services of the other microservices
6. Creating SQL Queries for MS-SQL Database and running on Liquibase environment.
7. Implementing and Performance Tuning of the HQL, SQL Queries.
8. Interacting with COSMOS DB for unstructured data
9. Interacting with Kafka clusters for the Event Bus Architecture
10. Interacting with cloud services such as Azure Blob Storage, Azure AD
11. Creating Unit Test and Functional tests using JUNIT and ROBOT Framework
12. Building and validating the code on the CI/CD using Jenkins using Groovy, Maven, ANT, GIT, SONAR, PMD, FIND BUGs, CheckMarks
13. Creating Docker container for the Spring Boot Application
14. Deploying the docker images using Kubernetes orchestrator
15. Deploying via ISTIO Plane (with sidecar) and Service/API Proxy
16. Integrating the Vault for the Kubernetes
17. Responsible for breaking the requirement to technical tasks and to handle the POC for the requirements.
18. Responsible for the checking the quality gate using sonar cube for every sprint and delivering the best quality.
19. Involved in core development of generic base frameworks, gateways, interfaces, modules, and guidelines for development.
20. Involved in performance tuning and refactoring of the current and existing applications.
21. Involved in environment setup for development, quality assurance, pre-production, production, performance, disaster recovery environments with load balanced setups.
22. Involved in performance monitoring of server and applications using Nagios, JMeter, Dynatrace and benchmark testing
23. Involved in developing automated CI/CD build scripts for deployments and DR activities using bash, groovy, python and Jenkins.
24. Involved in disaster recovery (DR) process every bimonthly and we achieved a shortest turnaround of 15 mins for the DR activation.

DEVOPS – zTPF Modernization

Technical Environment	: Java, Spring, Jenkins, MQ, TOS, Linux, zLinux, MKS
Duration	: January 2017 – July 2020
Client	: Travelport/Delta

Description:

zTPF Modernization Tool, used by the z/TPF developers for source code management, development, integration, testing and deployment. Our solution provides an end-to-end solution for the developers in all stages of SDLC including planning, development (checkout, check-in, review, and integration), testing, approvals, scheduling and deployment.

Roles/Responsibilities/Contributions:

1. Involved in all phases of Software System Life Cycle – research, analysis, requirement discussion, system specification, design, implementation, testing, and integration, support of application deployment.
2. Responsible for leading a team of 15 members and doing code review and help the team members for any concern on technical side
3. Involved in this project from the initial phase, so responsible for understanding business with the requirements and propose ideas to improve the same
4. Responsible for breaking the requirement to technical tasks and to handle the POC for the requirements.
5. Creating restful services using Spring, Spring Boot, Spring MVC and Spring Cloud frameworks in the development.
6. Consuming the restful services of the other microservices
7. Creating Unit Testcases using Junit and Mockito
8. Creating Selenium based testcases for the Automation
9. Responsible for the checking the quality gate using sonar cube for every sprint and delivering the best quality.
10. Involved in core development of generic base frameworks, gateways, interfaces, modules and guidelines for development.
11. Involved in performance tuning and refactoring of the current and existing applications.
12. Involved with 3rd party integrations like BPM, Gitblit, Sonar, TOS, zSystems
13. Involved in building a high reliable distributed cache mechanism for Gitblit using Hazelcast
14. Involved in environment setup for development, quality assurance, pre-production, production, performance, disaster recovery environments with load balanced setups.
15. Involved in performance monitoring of server and applications using Nagios, JMeter, Dynatrace and benchmark testing
16. Involved in developing automated CI/CD build scripts for deployments and DR activities using groovy, Maven, ANT and Jenkins.
17. Involved in disaster recovery (DR) process every bimonthly and we achieved a shortest turnaround of 15 mins for the DR activation.
18. Involved in developing elastic horizontal scaling of our servers using ansible playbook services.
19. Involved in developing a reconciliation tool to analyze the data and predict the erroneous.
20. Involved in integrating with automated Production deployment scheduler (MKS)

DEVOPS - RA

Technical Environment	: Java, Spring, Jenkins, Hazelcast
Duration	: May 2016 – July 2020
Client	: Travelport/Delta

Description:

Research Analysis (RA) application is the only simple-to-use, modern tool, which helps to graphically view the z/TPF segments and the Cross References of segments and calls, including forward and backward references, for better impact analysis of code changes in z/TPF or zLinux platform. This application supports most of the file types - ASM, C/CPP, SabreTalk etc., macros such as user-defined macros and IBM macros, SO's, and globals.

This application enables the programmers to graphically view the code segments to be impacted, either forward or backward, in a tree-view structure more quickly, and to directly view the source with macro and global references, .SO references, C/CPP source codes, without switching to other applications.

Roles/Responsibilities/Contributions:

1. Involved in all phases of Software System Life Cycle – research, analysis, requirement discussion, system specification, design, implementation, testing, and integration, support of application deployment.
2. Responsible for leading a team of 3 members and doing code review and provide assistance to the team members for any concern on technical side
3. Involved in this project from the initial phase, so responsible for understanding business with the requirements and propose ideas to improve the same
4. Responsible for breaking the requirement to technical tasks and to handle the POC for the requirements.
5. Creating restful services using Spring, Spring Boot, Spring MVC and Spring Cloud frameworks in the development.
6. Consuming the restful services of the other microservices
7. Creating Unit Testcases using Junit and Mockito
8. Creating Selenium based testcases for the Automation
9. Responsible for the checking the quality gate using sonar cube for every sprint and delivering the best quality.
10. Involved in core development of generic base frameworks, gateways, interfaces, modules and guidelines for development.
11. Involved in core development of lexical parsers for the source code files using JAVA.
12. Involved in performance tuning and refactoring of the current and existing applications.
13. Involved in building a high reliable distributed cache mechanism using Hazelcast
14. Involved in environment setup for development, quality assurance, pre-production, production, and performance environments.
15. Involved in developing automated CI/CD build scripts for deployments using groovy and Jenkins.
16. Involved in integrating with automated Production deployment scheduler (MKS)

STYLE MRKT

Technical Environment	: Android, Cordova, IOT, Beacons, MongoDB
Roles & Responsibilities	: Coding & Implementation
Duration	: December 2016 – February 2017
Client	: MRKT.inc

Description:

StyleMRKT is a fashion event hosting company. STYLEMRKT solidifies the bridge between buyers, brands, and retailers in the Southeast Fashion Market. This app is a Digital solution which will facilitate how brands and buyers interact during STYLEMRKT events. Using our app buyers will be able to instantly receive sales materials such as look-books and line-sheets as they walk into a brands suite via BLE beacons. Our digital platform will also facilitate the process of exchanging contact details, appointment requests, product inquiries and provide a B2B (Buyer to Brand) chat directly on our STYLEMRKT phone app.

COVERAGE - AMAZE

Technical Environment	: Java, JMS, XML Parsing, ISO 8583
Roles & Responsibilities	: Coding, Design and Implementation
Duration	: May 2015 – April 2016
Client	: American Express

Description:

Advance Message AnalyZEr (Amaze) is a real-time analysis tool, to analyze the data over the Network Interface. In a Network the financial transaction message (such as debit/credit card, Internet Banking) are transferred as message packets between various systems. AMAZE used to sniff, parse and trace the ISO 8583 standard messages and multi packet queue messages in real time data and backup the data for simulation and testing purposes. However, the confidential data and timestamps are masked in order to secure the parsed data.

KT-GEM

Technical Environment	: Java, Eclipse SWT, JMS, C#, COM, C++
Roles & Responsibilities	: Coding & Implementation
Duration	: January 2014 – May 2015
Client	: KLA-Tencor

Description:

KT-GEM is a communication interface protocol for the wafer inspection systems in FAB. It provides equipment manufacturers with a SECS/GEM connectivity solution that eases the task of equipment-to-host communication implementation, while complying with the SEMI generic equipment model (GEM) standard and supports the SECS/GEM capabilities as specified in the latest published SEMI standard E30. In an automated FAB, the interface can start and stop equipment processing, collect measurement data, change variables and select recipes for products.

DOLPHIN TRADING SYSTEM

Technical Environment   : Java, XML parsers, FIX, NIO, JMS, JMX, Netbeans RCP
Roles & Responsibilities   : Coding, Design and Implementation
Duration   : July 2011 – May 2013
Client   : KGfSL

Description:

Dolphin Trading Platform offers all the functionalities that an Institutional Trader/Broker would require. It is built around the needs of an active trader to empower the trader over order management, Risk Management, Algo-Trading, and have a straight through processing through our own Back-office solutions.

DOLPHIN (Omgeo CTM Allocation)

Technical Environment   : Java, XML parsers, Dbus JMS, Omgeo Web Client
Roles & Responsibilities   : Coding, Design and Implementation
Duration   : July 2012 – December 2012
Client   : KGfSL

Description:

Omgeo Central Trade Manager (Omgeo CTM) is a strategic platform for the central matching of cross-border and domestic transactions automating the trade confirmation process across multiple asset classes, such as equities, fixed income, repurchase agreements (repos), exchange traded derivatives and synthetic equity swaps.

Dolphin is a single back-office solution for All Trading Member & Clearing Member, Risk management, Securities Lending & Borrowing, Interest Rate futures (IRF) and Treasury. We revamped the clearing settlement of our system from the existing to Omgeo CTM using APIs.

CIP (CIP Engine)

Technical Environment   : Java, ETL, HL7 & XML parsers, JSP Servlets
Roles & Responsibilities   : Coding and Architecture Design
Duration   : March 2013 – January 2014
Client   : Hawes Group

Description:

Community Integration Platform (CIP) is the premier HL7 Integration Engine is available as an on-demand solution via individual hosted model or SaaS model. By adapting SaaS based CIP engine, small and medium sized healthcare organizations and physician practices can significantly reduce initial investment in terms of software license costs, hardware costs and implementation efforts.

CARTAGE NOW

Technical Environment   : Blackberry Java API
Roles & Responsibilities   : Coding
Duration   : June 2012 – September 2012

Description:

An Innovative mobile application to the Pickup and Delivery industry, by concentrating on simple to utilize applications, we interface with the client through automated solution, and to enhance operations and boost profitability with various freights.

LOCKFONE (Blackberry & Android)

Technical Environment   : Android, Blackberry, GCC
Roles & Responsibilities   : Coding
Duration   : February 2012 – June 2012
Client   : A2 Mobiles.inc

Description:

Lockfone provides secure anonymous confidential communications between subscribers. It uses peer-to-peer architecture wipes out the servers from the equation. The encryption keys have been shared between the two users without outsider. There will be no follows or tracking can be made for the communication.

DOLPHIN (Span Risk Margin Calculation)

Technical Environment   : Java, XML parsers, Mono
Roles & Responsibilities   : Research & Coding
Duration   : July 2011 – August 2011
Client   : KGfSL

Description:

Dolphin is a single back-office solution for All Trading Member & Clearing Member, Risk management, Securities Lending & Borrowing, Interest Rate futures (IRF) and Treasury.

On the RMS System, the SPAN methodology can be used to assess the risk for the broadest possible range of derivative and physical instruments. The existing span software, provided by CME was used to ascertain it. We supplanted the traverse programming by comparative rationales and measurements with all situations.

Language

English, Telugu & Tamil

Interests & Activities

Software Collection, Surfing on Internet, Open Source Contributor

Hobbies

Listening Music, Playing Computer Games, Cookery

Personal Details

Date of Birth	:	14 Apr 1989
Religion	:	Hindu
Nationality	:	Indian
Marital Status	:	Married
Children	:	Yes
Passport No.	:	Yes, On Demand
Visa	:	USA, B1

Others

Notice Period: 30 Days

Declaration

I hereby declare that the details furnished above are true to the best of my knowledge and belief.

Yours Truly,

Place   : Chennai
Date   :   /   / 2020

[PRABHU P]