PRABHU PRABHAKARAN

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Synopsis

- 9+ Years of Comprehensive Experience in IT Industry with phenomenal programming skills in Java and Open Source.
- Worked in various domains such as BFSI/ERS/Healthcare/SDLC.
- Flexible and versatile to any new condition and work on any environment.
- Exposure to all phase in Software Development Life Cycle (SDLC)
- Good cooperative person with great correspondence, self-learning and relational aptitudes
- Having good understanding in Software Development Life Cycle (SDLC) and experienced with agile process and new project from base.
- Strong experience in requirement, analysis, design, development, modelling, reviewing, application performance tuning, and unit/integration/performance testing.
- Strong working knowledge of micro services, even driven, monolith and API Architectures
- 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.

Professional Experience

- **Technical Lead**
    - TPF Software India P Ltd from Dec 2018 – Till Now
- **Principal Engineer**
    - TPF Software India P Ltd from Jun 2018 – Nov 2018
- **Senior Software Engineer**
    - TPF Software India P Ltd from Oct 2016 – May 2018
- **Assistant Systems Engineer**
    - TPF Software India P Ltd from May 2015 – Sep 2016
- **Software Engineer**
    - HCL Technologies from January 2014 – May 2015
    - KG Financial Software P Ltd from October 2011 – January 2014
- **Software Trainee**
    - KG Information Systems P Ltd from February 2011 – June 2011

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

Academic Details:

- *Annamalai University*
    - Bachelor of Engineering, Information Technology, 2006 – 2010, 83.00%
- *Ramasamy Chettiar's Town Higher Secondary School*
    - HSC, 2004 – 2006, 68.67%
    - SSLC, 2003 – 2004, 73.00%

Languages & Technology

Languages:	J2se, J2ee
Server Side:	PHP, JSP, Servlets, Struts, Spring
Database:	Oracle, MySql, Hsqldb, Sqlite, Derby, Postgres, Mongo
Scripting:	JavaScript, JQuery, Angular
Networking:	Networking (NIO, TCP and UDP), JMS (Active MQ)
Message Standards:	FIX, Fast, EDI, HL7, ISO8583, SWIFT, SECS/GEM
Thick Client:	Net beans RCP, Eclipse RCP, and Swing Application Framework
Source Control:	VSS, SVN, GIT
XML Parsing:	DOM, SAX, XPP, JAXP
Mobile:	Blackberry, Android, Cordova
Other Technologies:	ETL (Clover & Pentaho), JMX, Jenkins, ANT, Maven, IOT, Amazon Services (AWS), Docker, Shell Scripting, JBPM, DROOLS, Hibernate, SOAP, REST, Lucene, Hazelcast

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)

DEVOPS – zTPF Modernization

Technical Environment	: Java, Spring, Jenkins, MQ, TOS, Linux, zLinux, MKS
Duration	: January 2017 – Till Now
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 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. Responsible for the checking the quality gate using sonar cube for every sprints and delivering the best quality.
6. Involved in core development of generic base frameworks, gateways, interfaces, modules and guidelines for development.
7. Involved in performance tuning and refactoring of the current and existing applications.
8. Involved with 3rd party integrations like BPM, Gitblit, Sonar, TOS, zSystems
9. Involved in building a high reliable distributed cache mechanism for Gitblit using Hazelcast
10. Involved in environment setup for development, quality assurance, pre-production, production, performance, disaster recovery environments with load balanced setups.

11. Involved in performance monitoring of server and applications using Nagios, JMeter, Dynatrace and benchmark testing
12. Involved in developing automated CI/CD build scripts for deployments and DR activities using groovy and Jenkins.
13. Involved in disaster recovery (DR) process every bimonthly and we achieved a shortest turnaround of 15 mins for the DR activation.
14. Involved in developing elastic horizontal scaling of our servers using ansible playbook services.
15. Involved in developing a reconciliation tool to analyze the data and predict the erroneous.
16. Involved in integrating with automated Production deployment scheduler (MKS)

DEVOPS - RA

Technical Environment	: Java, Spring, Jenkins, Hazelcast
Duration	: May 2016 – Till Now
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. Responsible for the checking the quality gate using sonar cube for every sprints and delivering the best quality.
6. Involved in core development of generic base frameworks, gateways, interfaces, modules and guidelines for development.
7. Involved in core development of lexical parsers for the source code files.
8. Involved in performance tuning and refactoring of the current and existing applications.
9. Involved in building a high reliable distributed cache mechanism using Hazelcast
10. Involved in environment setup for development, quality assurance, pre-production, production, and performance environments.
11. Involved in developing automated CI/CD build scripts for deployments using groovy and Jenkins.
12. 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. Through the use of 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 messages (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 Pick Up 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: 90 Days (Negotiable)

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]