Subramanian Muthaiah

*Mobile:* ***+91 99406 87526*** *Email:* ***Subramanian.Muthaiah06@gmail.com***

**Employer: CGI Information Systems and Management Consultants**

**Position: Lead Developer – Engineering**

**Profile:**

* Experienced and highly capable IT consultant, having over 11+ years of product development experience.
* Technically progressive developer in evaluating designing, developing and delivering enterprise solutions, member of multiple delivery teams at different stages of SDLC.
* Working closely with the clients, enabled them improve quality efficiency and productivity with modernization efforts and accommodating newer versions based on various technical architectures.
* Passionate technology coach, proven in building technically competitive and progressive communities and development teams.

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| **Primary expertise** | **Related experience** | **Believes in and practices** |
| * Development & Quality Consultant * Committee Member - Solution Architecture | * Continuous Integration * Scaled Agile Practitioner * Enterprise Integration | * TDD and building quality code * SOLID principles and design patterns * Restful and Micro services |

#### Primary Expertise

**Development & Quality Consultant** – As Technical Development Consultant (Private Wealth Mgmt. Group projects - US largest investment bank account), and a member of development teams and consultants across various projects, owning and evolving their technical architectures, managing clients and requirements, planning and estimation, managing change control and delivering technical artifacts, reporting to the steering group.

Solution Architecture – At client’s (a major US Corporate Services, New Jersey) site, designed ( along with senior consultants ) and implemented the solution architectures for a number of projects by working closely with business users and the client’s IT departments.

JAVA IT systems build and deliver – With 11+ years of comprehensive development experience on various JAVA projects, gained expertise in various versions of JSE (4 to 8), JEE (5 to 7) and related Java based frameworks. Firmly believes in Object Orientation, Test Driven Development, Design Patterns, Quality Code, and Continuous Integration.

**EDUCATIONAL QUALIFICATION**

* Bachelor of Engineering in Electrical & Electronics from B.S.Abdur Rahman Crescent Engineering College,

Anna University -Tamil Nadu, Year of Passing – 2010, 72%.

* HSC., State Board -Tamil Nadu, Year of Passing – 2006, 86%.
* S.S.L.C, CBSE -Tamil Nadu. Year of Passing – 2004, 76%.

#### Employment History

* Senior Software Engineer for CGI Information Systems and Management Consultants (July 2013 to present)
* Senior Software Engineer for iGate Global Solutions, Chennai, from Sep 2010 to till date .

#### KeyExperience – CGI Information Systems and Management Consultants

* Technical Development Consultant (Private Wealth Mgmt. Group projects, largest US investment bank)
* Mid – level Architect

Temporal: July 2013 to Present Location: Chennai, India

Responsibilities:

* Owned the development and delivery of solution architectures of various solution offerings from CGI to the client (Client had engaged CGI to advice, build and integrate client’s IT application systems).
* Owns the design, detailing and evolution of the solution architectures
* Implemented continuous integration in the projects with SONAR integration for code quality
* Manages the client, requirements and reports to the steering group
* As consultant, led the development efforts of various solution offerings using Java, Java Web and Java based frameworks like Spring, Hibernate, Struts, etc.
* Led the development efforts and performed the role of a senior developer in a Distributed Caching Compute Grid and Complex Event Processing systems and in a Java BPM project
* As consultant, supported the team leads with critical deliverables and solution offerings.

#### Related Expertise

**PROCESSING ENVIRONMENT EXPOSURE:**

* JDK 1.5 to 1.9
* Spring 5.x
* Spring boot 2.x
* JPA , ORM
* MicroServices , API

**STREAMING :**

* Kafka Streams
* Sybase Complex Event Processor ( CEP - 4.x )
* SAP Event Streaming Processor ( ESP – 5.x )

**INTEGRATION :**

**Async:**

* AMQP
* Kafka
* Message Queues
* Solace Messaging System

**Sync:**

* Mulesoft ESB 3.9
* Web services
* REST
* SOAP

**CACHING :**

* Coherence Distributed Compute Grid
* Redis

**API MGMT :**

* Open API Specification ( OAS ) 3.x
* Swagger 2.x

**QUALITY ASSURANCE :**

* SONAR QA
* JMETER
* TESTNG
* JUNIT 5.x
* CUCUMBER BDD

**AVAILABILITY / DEVOPS – CI /CD :**

* HAProxy loadbalancer
* Jenkins
* TeamCity
* uDeploy
* Containers – **Docker**
* Container Orchestration - **Kubernetes**
* OpenShift Container Platform **– OCP**

**PROJECT HANDLED:**

* **Central Finance Bookings (CFB - Booking and Netting processor ) :**

Position : Developer

Client : Deutsche Bank

Organization : CGI

Duration : Mar 2016 – till date

Team size : 3

Environment : JDK 1.8, Spring 3.0.5, Kafka Streams , Coherence Distributed Compute Grid, Solace Messaging System, Sonar QA, TestNG , Mulesoft ESB 3.9 , AMQP , HAProxy loadbalancer

Server : Weblogic 12.0 , Mule 3.9 server

Domain : BFSI

**Project Description:**

The CFB Booking processor is a service-oriented platform that will use the Phx Contract Manager Service to book the contracts – both Rehypo returns and Short Coverage loans from the RELP system in Phx platform.

The Phx Contract management service is an integral part of GME-wide Booking service architecture that provides a robust, high performing and scalable contracts management.

The CFB Netting processor will manage contracts netting across multiple dimensions of data, particularly across Depot, Accounts, and Security, and across multiple dimensions of time such as Book date and Settlement date for both Intraday and Historical activity.

The CFB as an application plays a role in the global contracts booking system as the booking and netting processor as well as the contracts manager for all of GPF systems.

Responsibilities:

* Developed the application along with 2 onshore counterparts and owns the delivery of technology artefacts
* AGILE Development Management – requirements gathering, planning, estimation, change control
* Worked closely with the business in identifying and emphasizing the need for better solutions.
* Implemented, managed and supported offshore technical deliverables.
* **Inventory Hub - Position Keeping Service (iHub PKS) :**

Position : Developer.

Client : Deutsche Bank

Organization : CGI

Duration : Oct 2014 – Mar 2016

Team size : 2

Environment : JDK 1.7, Spring 3.0.5, Sybase Complex Event Processor 4.4R,

SAP Event Stream Processor 5.1, TestNG

Server : Complex Event Processor 4.4R Server, Weblogic 12.0, Sybase ESP 5.1 Server

Domain : BFSI

**Project Description:**

iHub inventory management platform is an integral part of GME-wide PKS service architecture. GME PKS is a service-oriented platform that provides a robust, high performing and scalable position management. iHub manages positions across multiple dimensions of data, particularly across Instrument, Currency, Accounts, and Strategy, and across multiple dimensions of time such as Book date and Settlement date for both Intraday and Historical activity.

iHub as an application plays a role in the global Position Keeping System as the Settlement, SecLending and Synthetic view provider as well as the position manager for all of GPF.

Responsibilities:

* Developed the application along with 1 onshore SAP Consultant / 1 onshore counterparts and owns the delivery of technology artefacts
* AGILE Development Management – requirements gathering, planning, estimation, change control
* Worked closely with the business in identifying and emphasizing the need for better solutions.
* Implemented, managed and supported offshore technical deliverables.
* **SEF Dashboard (SEF) :**

Position : Developer.

Client : Deutsche Bank

Organization : CGI

Duration : June 2014 – Oct 2014

Team size : 6

Environment : JDK 1.7, Spring 3.0.5, Canvas WS, TestNG

Server : Tomcat 7.0 Server, Weblogic 12.0

Domain : BFSI

**Project Description:**

The principal purpose of SEF Dashboard is to deliver a dashboard to the SEF business to allow the desk to see a single view of their net positions and P&L; with the ability to drill down to the underlying trades which make up the position.

The dashboard will also include pre-commitment trade data, which will further enhance the Desk’s understanding of its positions.

Responsibilities:

* Developed the application along with 1 offshore and 5 onshore counterparts and created the Trade & Dividends services in the Phoenix platform with Java.
* AGILE Development Management – requirements gathering, planning, estimation, change control
* Preparing Test Cases according to the Functional Specifications.
* Executing Test Cases to validate the functionality
* **Rates Manager (Compute Grid – RM ) :**

Position : Developer.

Client : Deutsche Bank

Organization : CGI

Duration : Feb 2014 – June 2014

Team size : 2

Environment : JDK 1.7, Spring 3.0.5, Coherence Distributed Compute Grid 3.5 , TestNG

Server : Tomcat 7.0 Server , Weblogic 12.0

Domain : BFSI

**Project Description:**

Rates Manager is used to provide a one Centralised “Golden Source” for rates across the Phoenix platform and a one Global Real-Time Engine for Rates Calculations.

Rates Manager will be delivered as a phased approach. As part of Phase I, Rates Manager Business Model for Client Colour purpose is to allow the desk to offer the most competitive rates to their clients, providing a higher level of automation, increased visibility and transparency to the logic.

The purpose is to build a centralised Rates Engine which will be consumed by Client Colour and real-time user information display.

Responsibilities:

* Developed the application along with 1 onshore counterparts which included many new business features and completely replaced all the existing ( Sybase CEP ) features with Coherence distributed cache system and Java.
* AGILE Development Management – requirements gathering, planning, estimation, change control
* Implemented continuous integration in the projects using Jenkins with TestNG , Jacoco and SONAR integration for code quality
* Worked closely with the business in identifying and emphasizing the need for better solutions.
* Implemented, managed and supported offshore technical deliverables.

**STRATA**

Position : Developer.

Client : NBC Universal, USA.

Organization : iGate Global Solutions

Duration : Nov 11 – July 13

Team size : 2

Environment : JDK 1.6, Struts, jBPM , Spring, Hibernate, JSP.

Server : JBOSS Server

Domain : Media and Entertainment.

**Project Description:**

**NBC Universal** is developing a solution that bridges the gap between the business and the customers/licensee by conducting reviews for licensing different products in different regions for the various properties of **NBC**. Submission Transmittal Review and Tracking Application: is used by the Consumer Products Group to manage the process of getting concepts, designs, and prototypes from the licensees and agents (partners) reviewed and approved.

**Roles & Responsibilities:**

* Developed the application - phase II along with onsite counterpart which included many

new business features and completely removed all the existing ( phase I ) issues.

* Preparing Test Cases according to the Functional Specifications.
* Executing Test Cases to validate the functionality.

**PRIME**

Position : Developer.

Client : NBC Universal, USA.

Organization : iGate Global Solutions

Duration : Aug 11 – Nov 11.

Team size : 8

Environment : JDK 1.5, Struts 2, Spring, Hibernate, JSP.

Server : JBOSS Server

Domain : Media and Entertainment.

**Project Description:**

**NBC Universal** is developing a solution that bridges the gap between the business and the customers/viewers by conducting surveys among different age groups in different regions about the shows telecasted in **NBC**. The survey details are loaded into this application(**PRIME**) and the business users would be able to view the survey reports, analyse the survey details and reports, search the surveys conducted, apply norms to surveys, apply weights to surveys. The business users felt very much helpful in knowing the likes and dislikes of their viewers and adapting to that quickly.

**Roles & Responsibilities:**

* Developed of Survey Search and Version Management Module (For maintaining different versions of the survey & programs )
* Learned and Developed Struts 2 application and completed well before the time limit.
* Preparing Test Cases according to the Functional Specifications.
* Executing Test Cases to validate the functionality.
* Helped team members technically.

**Dot Media (Archival Automation)**

Position : Developer.

Client : NBC Universal, USA.

Organization : iGate Global Solutions.

Duration : Sep 10 – Jul 11

Team size : 6

Environment : JDK 1.6, Spring, Hibernate, JMS, IBM WebSphere Integration Developer, JBOSS Server, Signiant, Ardome, Oracle, SOAP Web Services, Radiant Grid, BATON.

**Project Description:**

Developed an **Archival Automation** solution for **NBC Universal**. This solution is developed for **NBC Universal** through which the **Customers of NBC Universal** can place an order for a Media Content in an **Order Management System** . The customers were allowed to search through the **Media Content** and the **specifications** in which they would like to receive the content, the date by which they should receive the content, the billing and shipping details of the customers, reviewing the order before placing it.

The order placed by customer triggers a workflow and the raw content placed in a particular watch folder is monitored every configured time limit and moved to other watch folders by **Signiant** where the transcoding of content by **Radiant Grid** and Automatic verification of the Media Content produced and ordered are compared by **BATON.** Spot-Check of files is done manually before archiving the files in **Ardome** (The repository from where the content is delivered to the Customer)**.**

**Roles & Responsibilities:**

* Involved the Development of project and bug fixing.
* Involved in developing the core functionalities of Archival Automation.
* Involved in re-writing the application in Java with Spring and Hibernate which was written in BPEL as part of IBM WebSphere Integration Developer.
* Developed SOAP Web Services and followed SOA.
* Helped team members technically.