

ARULKUMAR. A

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Career Objective:

In the quest of senior level assignments over innovative software projects that will reveal my R&D skills, through which I could put forth my valuable Technical & Managerial contribution to IT industry

About Me: A Core technical Person 90% & 10% Managerial

IT Experience: 24+ years into Software Development

10+ years as Technical Architect guiding large volume of development team across the globe both on-site & offshore.

Last Served Company: Tech Mahindra Ltd

– **Last Played Role:** Java Technical Architect

-- **Current Clients:** Nissan Inc, US

Duration: 23rd Nov 2023 to 13th Jan 2025

Last Worked Technical Stack: Java / J2EE (jdk 21), AWS – SQS, Kafka, S3, ECS, EC2, Cloud watch Alarm, Step Function, State Machine, Lambda, Angular, ReactJS, Oracle, Postgres, Mongo DB, Veracode, Sonar Qube, GitHub, Bitbucket, Jenkins (DevOps), Maven, Gradle, Swagger – Open API, Docker etc.,

Activities Involved: Designing & Solution Architecting across various technologies & POCs, Training & guiding the Technical Team

Done a complete study on various API gateways & prepared a technical review-analytical doc.

Client Handling

Requirement gathering & analysis.

Architecting the technical stack

Coding on services side

Database designing & modeling.

RDBMS to NoSQL data migration

Technology Stack Hands-on:

Frameworks: Jersey, Hibernate, Spring Boot (for micro services Development)

Security Framework: OWASP ESAPI (SSL Implementation)

Automation: Selenium Webdriver, Katalon Studio

APM Tools: Appdynamics, XRebel

Security Tools : Veracode, OWASP ZAP

DevOps : Jenkin,

Source Control Tools: Github, Github Desktop, Maven & Gradle.

Security : PKI / SSL / SHA 256 / AES using JCE with extended security policy files.

Java Profiling : Java VisualVM, Eclipse MAT, X Rebel

Code Analysis Tool : SonarQube 6.0 with sonar-scanner-2.6.1

Testing Tools : nGrinder & JMeter for load / performance Testing, Selenium

Web Frameworks : Angular 1.x, HTML5, BootStrap & CSS3

Log Analytics Tool : Splunk

Performance Optimization:

Recently resolved a performance issue on concurrent http post calls consuming 45 minutes; fixed it to consume just 43 seconds using Java 1.8 Executor Multithreading implementation.

Services:

Spring-Boot Micro Services with embedded tomcat.

Jersey Framework - For REST-Full Web-services

Hibernate with Ehcache & hibernate c3p configuration for connection pooling & query retry

Created Authentication framework for the below

Sign up / login

OTP validation / Resend OTP

Automated welcome email & SMS configuration

Password AES encryption/decryption

Token based services invocation.

DB – MySQL

Installation & Basic configuration

Configured the max_allowed_packet size & max_connection configuration in My SQL

UI/UX:

Angular 1.x, JQuery, CSS3, HTML5, JavaScript, Bootstrap

Native Android – Just lead the team of android

Data Migration – From MySQL to Mongo DB using **Pelica Migrator**

Mongo DB installation & configuration.

Apache & Tomcat 8.0 Virtual host configuration with httpd & mod_jk.

Cross origin filter configuration in tomcat 8.0.

Services migration to NodeJS with Mongo DB.

NodeJS integration with Mongo DB using mongo dB, monk & mongoose modules

NodeJS modules – Jad & expressJS

Image base64 conversion for file uploads

Image compression strategy

Previously Serviced Company: First Gulf Bank - Abu Dhabi

Role Played: Software Development Manager

Activities Involved:

Release Activity:

Identifying the open items for development

Prioritizing open items

Scope reduction based on iteration priority.

Teams Managed

Requirement & Scope, Development, CM team, PMO team, SMEs, Business Analyst, Risk Mitigation & Action Items

Vendor Management:

SLA Management, Project Budget & Cost Reduction, Delivery Deviation & Risk

Project Budget Type: Fixed_Bid

Project Stages Involved:

SOW stage, BRD & FSD discussions & preparation of artifacts

Setting up the Development & Delivery process

Risk Mitigation through identifying the open items & gaps among development teams & BA

Offshore Team set up such as Development, BA, Testing, Architects team etc.

Quality Team: Quality Gate (QG) Team & System Testing (ST) Team

Technical Knowledge & Skills Summary:

Frameworks & web services:

Spring3.0

Hibernate3.0

RESTful Web Services.

SOA, Jersey & Metro, Apache CXF implementation

Apache Hadoop File System

Java Technical Proficiency:

Java Basics: Core Java, Design Patterns, OOAD, Java Applets, Files and Streams

Advanced Java: JFC, JDBC, Networking, RMI, Java Beans

J2EE Technologies: Servlets, JSP, Tag Extension

Java & Webservices Technologies:

SOAP, WSDL, UDDI, XML

JAXP, JAXB, JAX-RPC, JAX-WS, SAX

Databases: Oracle 11g, IBM DB2, PostgreSQL 9.0, MySQL, SQL Server 2012, MongoDB, Couch DB

Middleware Technologies:

Server Technology: Apache Tomcat 7.0, JBOSS, Oracle Weblogic10g, IBM MQ Server6.0 , JMS, Mule ESB

IDE: Eclipse, Spring Tool Suite, WSAD 5.1, RAD 6.0, JDeveloper

Designing Tools: MS Visio, Rational Rose

Project Tools Known:

Building Tool: ANT, Maven3.0

Versioning Tool: SVN, VSS 6.0, Perforce 4.0

Planning Tools: Microsoft Project Professional 2003

Configuration Management: SVN, VSS 6.0, Perforce 4.0

JIRA: Agile Project management & Defect tracking tool

SONAR: Code Quality Management tool to perform PMD, Check style, Find Bug etc.,

Jmeter: Load & Performance testing tool used in this project

SOAP UI: Service testing for Service & Integration Layers

Rally – Defect Tracking

Bugzilla – Defect Tracking (But used it before 2006)

Microsoft Project Professional – Effort Estimation & Resource allocation, setting up the Milestones for Release

Previous Projects Worked:

- i. Project Name: Loyalty App, Sales Force Automation (mobile app with REST full services)
- ii. Project Name: First Connect, Corporate Transaction Banking Platform
- iii. Project Name: Vendor Credentialing System (SAAS Modeled Application)
- iv. Project Name: Badging System (SAAS Modeled Application)
- v. Project Name: Flexre – Java/J2EE & Oracle Fusion Stack technologies
- vi. Project Name: Swift Connect – Java/J2EE / J2ME
- vii. Project Name: Profit and Loss-Java/J2EE
- viii. Project Name: Seven Socrates (2.0)-J2ME/J2EE
- ix. Project Name: Accounting Professional Partners- Java/J2EE

Previous Employment History:

1. Organization: Mphasis Ltd – Chennai

Client: AIG Inc.

Designation: Technical Architect..

Duration: From Dec 2017 to Till Date

2. Organization: Object Frontier Solutions Ltd – Chennai

Client: FedEx.

Designation: Engineering Officer

Duration: From Jul 2016 to Dec 2017

3. Organization: Truetech Solutions Pvt Ltd – Chennai

Client: Ultratech Cements & Myshare India.

Designation: Technical Project Manager.

Duration: From Sep 2015 to May 2016.

4. Organization: First Gulf Bank, Abudhabi – U.A.E

(This was a contract job. I was under the payroll of **Finesseme** – A Dubai based consultancy)

Vendor: HCL Technologies Ltd, Chennai – India

Designation: Software Consultant / Project Coordinator

Duration: From June 2012 to Jul 2013.

5. Organization: SM Infosolutions Pvt, Ltd., Madurai.

Designation: Chief Delivery Officer

Duration: From Sep 2009 to Oct 2011.

6. Organization: Oracle Financial Services Software LTD, Chennai

Designation: Consultant

Duration: From Dec 2007 to Jan 2009

7. Organization: Cambridge Solutions Ltd, Chennai

Designation: Member Technical Staff (Equivalent to Architect)

Duration: From Nov 2006 to Nov 2007

8. Organization: Caterpillar Inc, Bangalore

Designation: IT Analyst (Equivalent to Architect)

Duration: From Dec 2005 to Oct 2006

9. Organization: Aftak Infosys Ltd, Pune.

Designation: Senior Software Engineer

Duration: From Sep 2005 to Dec 2005

10. Organization: Envisage IT Solutions Pvt Ltd, Bangalore, India.

Designation: Senior Developer

Duration: From April 2003 to Sep 2005

11. Organization: SSI Educations Ltd, Madurai, India.

Designation: Technical Head

Duration: From Mar 2001 to Mar 2003

Academic Details:

Std / Degree	School / University	Year of Passing	%
X Std	M.M.hr.Sec.School, Madurai	1995	72
XII Std	U.C.Hr.Sec.School, Madurai	1997	66
B.Sc Chemistry	Madurai Kamaraj University, Madurai	2000	80

Projects History:

Project #1

Project Name : **First Connect, Corporate Transaction Banking Platform**

Vendor : HCL Technologies - Chennai

Duration : 06/2012 to 07/2013

Location : Chennai.

Role : Offshore Delivery & Project Manager

Environment : Temenos T24, Cent O.S, JBoss, Spring Source Tool

Suite2.8.1, Hibernate3.0, SOAP based web services.

Project Description : This is a SAAS modeled Corporate Transaction Banking Platform.

NB: Description not provided since NDA.

Project #2:

Project Name : Vendor Credentialing System

Client : Vendormate Inc, Atlanta – GA.

Duration : 09/2009 to 10/2011

Location : Madurai.

Role : Delivery Head & Project Manager

Environment : Windows XP, Java/J2EE, Postgresql 9.1, Apache Tomcat 6.0, Eclipse 3.4.2, Hibernate3.0, REST API for service calls.

Project Description : This is a SAAS modeled, Vendor Credentialing application, designed for the benefit of Customers to ensure their Vendor credentials & to provide a ranking system.

The application is been developed for the below mentioned reasons.

- a) Customer Safety towards standards & norms.
- b) Ensure Vendor's norm compliance. c) Ensure Vendors Financial Stability.
- d) Prevent dealing with unknown Vendors.
- e) Controlled access to Customer & Vendor users.

For example, if the Vendor is healthcare guy, this app ensures his compliance towards health norms such as HIPPA / PSQIA...etc

My Role over it:

1. Architecting & Providing Tech solutions to choose technology
2. Business process modeling & Implementation
3. Defining Process & Tech strategies.
4. Requirement Gathering & Client co-ordination (Offshore team handling)
5. Effort Estimation Delivery Plan & Billing/Profit calculation for each delivery/release.
6. Modularizing application as per the Delivery plan
7. High Level Designing (Domain / Data Modeling)

Badging System: - Sub Module inside Customer Dashboard module itself

Rating Engine & Cron Jobs: - Module which do all business calculation (Background Process).

Technical aspects: Application is developed using the following technical stuff

Java/J2EE spring application with Hibernate 3.0 as ORM tool.

Spring modules used:

Spring Web, MVC framework, Core container & Application modules

Spring module validation are used for annotated validation in value objects

ORM mapping integration module for integrating hibernate

Hibernate stuff

Subclass strategies are implemented such as table per subclass, table per hierarchy & table per concrete class etc. First

& Second level caching method are used for both session level & application level caching

Named queries are used upon Value Objects in using hibernate templates

Hibernate annotations are also used apart from spring module validations **UI**

- Yahoo User Interface is used for UI - An AJAX framework

REST API

Restful web services are implemented for services instead of WSDL and SOAP stuff. Since no special tools required developing restful web services and less xml mark-up.

Roles & Responsibilities:

Involved in Project Planning, Domain modeling & Data modeling using

MS Project Professional & MS Visio respectively

Involved in Service side coding and integration with UI.

PMO activities.

Involved in Project co-ordination & closure activities.

Coordinating QA & Development Process.

Designed Agile QA Process implementation.

Requirement Analysis and designing

Effort Estimation and Planning

Database / Object modeling design strategies activity.

Design Technical Strategy and Planning

Customer Interaction process

Project #3:

Project Name : Badging System

Client : Vendormate Inc, Atlanta – GA.

Duration : 01/2010 to 10/2011

Location : Madurai.

Role : Project Manager.

Environment : Windows XP, Java/J2EE, Postgresql 8.3, Apache Tomcat 6.0, Eclipse 3.4.2, Hibernate3.0, REST API for service calls.

Project Description : This is a SAAS modeled, visitor badging system for all visitors entering into hospitals. Visitors may be of a representative from healthcare vendor or a consulting doctor or a general patient visitor. It is a part of Healthcare credentialing domain. Credentialing the vendor details in compliance with various health norms. These credentials are going to be useful for both vendors and their customers (Hospitals). This badging system is a part of this core application called vision Core.

My Role over it:

1. Architecting & Providing Tech solutions to choose technology
2. Business process modeling & Implementation
3. Defining Process & Tech strategies.
4. Requirement Gathering & Client co-ordination (Offshore team handling)
5. Effort Estimation Delivery Plan & Billing/Profit calculation for each delivery/release.
6. Modularizing application as per the Delivery plan
7. High Level Designing (Domain / Data Modeling)

Project #4:

Project Name: Flexre

Client : Oracle Corporation

Duration : 12/07 to 01/2009

Location : Chennai

Role : Project Lead / Associate Manager

Environment : Windows XP, Java/J2EE, Oracle 10g DB, Weblogic10g, Oracle Internet Directory Server (LDAP), JDeveloper 10g, Oracle BPEL Workflow Engine, IBM MQ Series 6.0, Oracle SOA Suite.

Project Description : It is about Reinsurance Business Process Automation. It is a product for Reinsurance process firms and also planned for few of the insurance firms too. Reinsurance is nothing but insuring the insurance policies. It includes four different modules such as Outward Treaty, Outward Facultative, Inward Treaty and Inward Facultative. These modules are been done using Oracle Fusion Middleware Technologies which includes Oracle SOA suite. Reinsurance business process flow, been automated by Oracle Business Process Execution Language (shortly called BPEL).

Project #5:

Project Name : SWIFT Connect

Client : **Commercial Bank of Dubai**

Duration : 11/06 to 11/07

Location : Chennai

Role : Senior Developer and into Implementation and Integration

Environment : Windows XP, Java/J2EE/J2ME, Oracle 9i, SQL Server 2000, Web methods Adapters (JDBC, Email, XML)

Project Description : SWIFT Connect (SWIFT-Society for Worldwide Interbanking Financial Telecommunication) is mainly implemented in most of the banks for inter bank financial telecommunications like fund transfer. As per their requirement we have done the application as distributed and multithreaded application using web services. It includes Forex conversions as built in features, while transferring funds across the different currency's accounts. During the transfer of funds the Banks need to communicate thru various message types between them. This application includes mobile banking also. Technology wise Spring MVC & Hibernate for ORM has been used during the development.

Project #6:

Project Name : Profit and Loss

Client : **Caterpillar Inc, Morton**

Duration : 12/05 to 10/06

Location : Bangalore

Role : IT Analyst

Environment : Windows XP, Java/J2EE, IBM DB2, Web methods Adapters (JDBC, LDAP, XML), WSAD5.1/RAD6.0 Caterpillar's TUF API plug-in

Project Description : Profit and Loss is a web based Java application developed for Warehouse and supply Chain Management. In which entire warehouse operations like calculating the wages of contract employees who are working in warehouse based on the number of picking / packing and claims made by them. Using which customer can monitor the entire logistics/supply chain management process. In this Caterpillar's API plug-in called TUF (The Universal Framework) is used for Database/LDAP operations. Entire application development has been done using struts framework.

Project #7:

Project Name : Seven Socrates

Client : **Seven Inc, Redwood City, California.**

Duration : 09/05 to 12/05

Location : Pune

Role : Senior Software Engineer

Environment : Windows XP, Java (JDK1.5) and J2ME toolkit (WTK2.2). Then Carrier 400/700 Servers.

Project Description : Seven Socrates is an email client application developed using Java/J2ME technologies. This is mainly used for accessing our mailbox in mobile device. So that new mail notification and mail checking options will be available in mobile phones itself. In this application we used Java/J2ME code in the client side and J2EE server application in the

Device Certification: Device Certification done for **Nokia 6/7/9 series, Sanyo, Motorola devices** and **Nextel** devices (GSM / Symbian Devices not of CDMA).

Project #8:

Project Name : Accounting Professional Partners (APP)

Client : **Accusys Inc, U.S**

Duration : 02/04 to 09/05

Location : Bangalore

Role : Senior Software Engineer

Environment : Windows XP, Java (JDK1.4.2) , Weblogic8.1 and Eclipse 3.1

Project Description : Accounting Professional Partner is a client server architecture java application. It has been developed using j2ee for web module and Java swings for Client module. The client module includes image processing also. It has been developed for automation of auditing outsources process. It has been implemented with cross platform supporting feature. This application can operate across multiple reputed platforms like windows/Linux Solaris etc. This project is developed mainly for the U.S auditing offices outsource their process to the data entry operators sitting in India. This application helps them to maintain and manage the entire outsource process.

I solemnly declare that the above furnished details are correct to the best of my Knowledge and Belief.

Place: Madurai

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