

TARAKESWHARA RAO

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Executive Summary

- An astute professional have over Twelve years of experience across all phases of SDLC, Architecture, Application Development & Maintenance and on-site/off shore coordination.

Professional Summary

- Worked extensively in Microsoft Technologies and well versed with Oracle and SQL Server.
- **Provided end to end technical architecture for existing and new systems.**
- Conversant with SEI-CMM quality procedures, while executing the projects.
- Domain expertise in Banking & Financial Services and Healthcare
- Have been to Mauritius and Singapore.
- **Design and developed innovative software solutions on schedule with quality.**
- Identified architectural risks and mitigated the risks
- **Able to investigate and understand root cause of problems, develop and implement solutions and achieve objectives on time.**
- Worked in different methodologies like Agile and waterfall etc.
- **Hands on in Technical Code Reviews. Design of HLD, LLD and designing use cases.**
- Documented system architecture and assists detail designs, class diagrams, use cases and coding specifications.

Business Domain

Banking, Health Insurance, Securities Settlement, Sports, Manufacturing, Irrigation

Client Details

Clients	Universal Music Group, VISA, Accenture, Euro Clear, WellPoint, FIFA, British Petroleum (BP), Merrill Lynch, Goodrich Control Systems, TRW, Administrators and Consultants Ltd and Andhra Pradesh Irrigation Department
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Project Details

1.	Project Name : Customer Energy Network(CEN)	
Client	Sempra Utilities & Energy	
Role	Technical Architect	
Organization	UST Global, Chennai	
Duration	09/2014 – till date	
Environment	Software Used	.Net 4.0, C#, ASP.Net and SQL Server IDE : VS 2012

CEN allows our customers to grant authorization to SDG&E to send their smart meter consumption data to Third Parties. These Third Parties offer services which can be utilized by our customers to track their consumption and also offer solutions to help them conserve. Various program models exist, from on-going consumption data exporting to a **“One and Done” model which sends 13 months of historical consumption** one time for analysis purposes. All data is transmitted to Third Parties in ESPI format.

- Implemented retry design pattern for database connectivity issues.
- Prepared low level design document.
- Developed library for connecting any database by passing provider and connection string.
- Mapping client requirements and providing best solutions and finalization of project requirements.
- Used Star UML and Visual Studio Ultimate Tools for Low Level Design
- Coach, mentor and lead personnel within a technical team environment.
- Resolved problems using design patterns.

2.	Project Name : Consumer Portal(CP)	
Client	WellPoint	
Role	Technical Architect	
Organization	UST Global, Chennai	
Duration	06/2013 – 09/2014	
Environment	Software Used	.Net 4.0, C#, ASP.Net and SQL Server, JQuery IDE : VS 2010

Project Description

Consumer Portal (otherwise known as member portal) is the face of WellPoint, which acts as an interface for members registered in the portal and prospective members. Broadly, we can classify this portal in to two functional areas based on the user experience; one as secure experience and another one as public experience. The registered members will get a secure experience, where they can have individual specific details and in Public experience, users can get enough information on available health plans which suite their need.

Contribution

- Design and develop rapid prototyping across different architectural layers, i.e. database, application server, workflow, and user interface.
- Architect the application platform, including the backend, and UI layers
- Well Experience in SOA Architecture implementation.
- Mapping client requirements and providing best solutions and finalization of project requirements.
- Used Star UML and Visual Studio Ultimate Tools for Low Level Design
- Well Knowledge in UML.
- Coach, mentor and lead personnel within a technical team environment.
- Resolved problems using design patterns.

3.	Project Name : Global Rights and Clearance System (GRCS)	
Client	Universal Music Group (UMG)	
Role	Architect	
Organization	HCL Technologies Ltd, Chennai	
Duration	07/2012 – 06/2013	
Environment	Software Used	.Net 4.0, MVC3, WCF, WWF and SQL Server. IDE : VS 2010

Project Description

UMG is the world's largest music company with wholly owned record operations or licensees in several countries including numerous subsidiaries. Its businesses also include Universal Music Publishing Group, one of the industry's largest global music publishing operations. The GRCS system will enable UMG to build a global repository of rights for its entire repertoire of commercially exploitable music, video and artwork assets. The system will enable UMG move to state where it can launch its global rights exploitation program.

Contribution

- Provide technical guidance and assistance to development teams
- Created prototype for Managed Extensibility Framework (MEF).
- Prepared Technical Architecture document.
- Excelled in guiding the work of technical teams. Articulated project goals and scope, translated business needs into technical.
- Provide the solution for hosted Windows communication foundation service in windows service.
- Provide the solution for invoking the windows workflow foundation from windows communication foundation service.
- Provide the solution for implementing the MVC3 Patterns

4.	Project Name : Real Time Messaging (RTM)	
Client	VISA	
Role	Architect	
Organization	HCL Technologies pte Ltd, Singapore	
Duration	01/2012 – 06/2013	
Environment	Software Used	.Net 4.0, WCF IDE : VS 2010

Project Description

A customer enrolls in the RTM Service through one of the enrollment models. RTM currently supports the following enrollment models
Mobile express and Public web services. All enrollment models use the RTM enrollment web methods in the application layer. To support the functions for the

above enrollment models, the web service in the app layer exposes the following web methods. Manage enrollment, Activate enrollment, fetch enrollment and unenroll.

Contribution

- Interact with subject matter experts to understand the business requirement and design the application accordingly
- Perform Root Cause Analysis on various problems, Quick Problem Solver and Solution Finder
- Mentor developers and share knowledge thorough knowledge sharing sessions and code review sessions.
- Participated in BRD reviews and walk through, facilitated periodic project specific meetings with client for status and issue resolution.
- Involved Architectural meetings and design reviews.

5.	Project Name : REBAR Next	
Client	IDC	
Role	Technical Lead	
Organization	Accenture, India	
Duration	07/2011 – 12/2011	
Team Size	Project : 7	
Environment	Software Used	.Net 4.0 IDE : VS 2010

Project Description

REBAR NEXT is a new architecture with which you build custom .NET web applications in CIO. As the demand for richer, complex web applications increases, so does the need for architecture that aids in simplifying the added complexity. REBAR NEXT provides both a framework and prescription to enable development teams to focus more on the functional and less on the technical aspects of web application delivery.

Contribution

- Developed the Custom tool for Code Metrics.
- Configured TFS Automated build
- Prepared Nuget package
- Maintain the Code Metrics (Maintainability Index, Cyclomatic Complex, Depth of Inheritance, Class Coupling, Lines of code and Code Coverage) Threshold limits
- Coordinating with Onsite, offshore and client as part of Onsite Offshore Model
- Mentoring the team members
- Involved in the recruitment process
- Dealing and resolving issues which arise while executing project.

6.	Project Name : Custody Transaction Management System(CTMS)	
Client	Euroclear	
Role	Technical Lead	
Organization	Accenture, India	
Duration	09/2010 – 07/2011	
Team Size	Project : 10	
Environment	Software Used	Languages: VB.Net, C# 2.0, IDE : VS 2005

Project Description

The Custody Transaction Management System (CTMS) is responsible for the processing of Corporate Actions with Elective Cash and Securities. It is partially situated in the distributed environment, but as well on the Mainframe (CTMF for the Overnight).

CTMS offers the same-day execution of all voluntary corporate actions, i.e. allows Clients to input all corporate event instructions (including Meetings), validates them automatically, positions them in the daylight real-time system and sends them to the local markets (agents/depositories) during the same-day. This is windows based application as well as web application.

- Preparation Low level design document.
- Guiding the team
- Prepared unit test cases
- Developing the project.
- Implemented Test Driven Approach.
- Prepared the status reports for client on weekly basis.
- Gather and analyze requirements, establish traceability matrices.

7.	Project Name : On line Stores(Shoppers)	
Client	Well point	
Role	Technical Lead	
Organization	Accenture, India	
Duration	11/2009 – 09/2010	
Team Size	Project : 31	Module : 4
Environment	Software Used	Languages: ASP.Net, C# 3.5,LINQ O.S : Windows IDE : VS 2008

Project Description

On line stores is enrollment of Medical and Dental forms (PDF format to .Net aspx forms) to submit in online, replacing the paper-mail process. Validation performed with XML Schema and submitted to IES middle system. After successful enrollment

of form system will sent confirmation email to user containing a link to PDF of user submitted application and also sent user id and password his mail id.

- Lead the team.
- Interaction with Client and onsite coordinator.
- Developed the Module.
- Preparation Build scripts
- Preparation Dev guide.
- Created unit tests using VS IDE 2008 and written Test Methods.
- Increased the code coverage by writing the unit test methods.
- Implemented MVP Pattern
- Created custom controls and user controls.
- Low Level Design and Code review

8.	Project Name : AGILE Refinements & Enhancements	
Client	British Petroleum - US	
Role	Team Lead	
Organization	Satyam Computer Services Limited, India	
Duration	11/2008 – 10/2009	
Team Size	Project : 20	Module : 5
Environment	Software Used	Languages: ASP.Net, C# O.S : Windows IDE : VS2005 Tools : Interwoven

Project Description

Importing emails via Worksite Web and Filesite: When e-mails are imported in Worksite Web and Filesite it does not carry the Meta Data of the e-mails. This change will import the email meta-data 'from', 'to', 'cc', 'sent', 'received'. Using the redemption third party control retain the meta data.

Currently worksite system, when the documents are imported in the system, the original document creation and modification dates are lost. BP Legal would like to import document from the local file system to AGILE application and would like to retain the actual document creation and modification dates in local file system.

Contribution

- Prepare the design document
- Develop the Email metadata Restoration and Document Import Utility.
- Preparation of test cases
- Packaging the application

9.	Project Name : Total financial picture (TFP)	
Client	Merrill Lynch -US	
Role	Team Lead	
Organization	Satyam Computer Services Limited, India	
Duration	03/2008 – 11/2008	
Team Size	Project : 24	Module : 8

Environment	Software Used	Languages: ASP.Net 2008, C# 3.0, .Net framework 3.5 O.S : Windows IDE : VS2008 Tools : TFS
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Project Description

Total financial picture is an application, related to financial domain. The information of every security (means shares and bonds handled by Merrill Lynch) can viewed up by end user who are related to Merrill Lynch organization. This application can be handled both, Account level information and portfolio level information. It has classified into various modules, the following are handled by satyam: Holdings, Activities and Downloads. I am working in Holdings module.

- Design the UI screens and controls as per the prototype.
- Development of User Interface functionality using with Component Art control.
- Handled functional and browser compatible issues.
- Written the test cases.
- Client side binding with JSON.
- Used Third party tools like Component art and ChartFx

10.	Project Name : FIFA Extranet Intranet	
Client	FIFA, Swiss	
Role	Senior Developer	
Organization	Satyam Computer Services Limited, India	
Duration	06/2007 – 02/2008	
Team Size	Project : 20	Module : 5
Environment	Software Used	Languages: ASP.Net, C# Data base : SQL Server 2005 CMS : Epi Server 4.61 O.S : Windows

FIFA is the world governing body for the sport of football (Soccer). The FIFA Extranet / Intranet software applications are being developed for their internal departments. In general these applications will be used by the internal departments for Publishing News, Creating Photo Galleries, Adding events to Calendar etc.

Contribution

- Requirement gathering and client interaction
- Following the agile methodology
- Code Review
- Developed Global Weather widget using web service.
- Implemented Custom Membership Provider.

- Encrypt and decrypt the password using RijndaelManaged class
- On line User Registration Forms.
- Imported data from excel to SQL Server using Integrated Services.
- Copy the Development database to Test database server using copy wizard.
- Backup the database.
- Requirements gathering.
- Interaction with Client and onsite coordinator.
- Developed the Proof of Concept.
- Used Data Protection Configuration Provider.
- Worked in Agile Methodology

11.	Project Name : Aerovantix Portal	
Client	Goodrich Control Systems, UK	
Role	Senior Developer	
Organization	Satyam Computer Services Limited, India	
Duration	03/2006 – 05/2007	
Team Size	Project : 16	Module : 6
Environment	Software Used	Languages: VB.Net and ADO.Net Data base : Oracle 9i

Project Description

Goodrich Corporation, a Fortune 500 company, is a leading global supplier of systems and services to the aerospace. **Aerovantix** is the flagship-transacting Portal at the vanguard of this initiative and is used by internal and external users (customers, suppliers) addressing the OE business area. Aerovantix is completely integrated with ERP systems for all sites and SBU's. Aerovantix is linked inexorably to the Consolidate Database.

www.aerovantix.com is the Goodrich's Online Portal.

Contribution

- Preparation of reports in Aircraft on Ground (AOG) Package using XSLT.
- Involved in prototype development in Material Repair Overall(MRO) package
- Oracle DBA-Monitoring the Development and Test databases.
- Maintenance and development of Aerovantix portal
- Written automated shell scripts in UNIX for Oracle DBA Monitoring activities.
- Implemented Ajax Auto Suggest Textbox functionality
- Encrypt and decrypt the password using RijndaelManaged class