

Sasanka Jonna

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## PROFESSIONAL SUMMARY

- Around **13+** years of experience in the IT industry in Development, Support, Debugging, Testing and Implementation in advanced internet, client/server environments using Microsoft based platforms and methodologies.
- Demonstrated proficiency in development using **Microsoft.NET technologies like WCF, Web API, LINQ, ASP.Net 4.0/3.5/3.0, C#(4.0/3.0/2.0), VB.NET and AJAX Extensions with and Oracle 10g/9i as database and MS SQL Server (SQL 2014/2008 etc)**
- Experience in developing front-end user interfaces using **jQuery, Bootstrap, Angular.js, REACT & HTML5**.
- Well versed in .Net Architecture framework, **Model-View-Controller (MVC)**
- Though worked on all tiers of an N-tier application, understanding the business process and developing good business logic layer and framework layers has been the strong point of the last project. Experience in using common software **Design Patterns** in **3-Tier and N-Tier** application development.
- Expertise in writing **Stored Procedure, creating Sequence, Packages, Functions, Triggers, Tables** using **T-SQL and Performance tuning**.
- Created Entity classes, relationships between entity classes using **LINQ (Language Integrated Query) to SQL, LINQ to Entities, and LINQ to Dataset** to manage relational data as objects.
- Performed queries, data manipulation against the OR mapping by LINQ to SQL Entity Framework.
- Experience is handling **medium and large** scale application with considerable experience as **Onsite Coordinator**
- Has experience of working on reporting tools like **SSRS**, Crystal reports and ETL tools like **SSIS** and **DTS**.
- Experienced with **Data Migration** and Data Conversion
- Excellent written and communication skills. Confident and poised in interacting with individuals at all levels. Highly regarded for proactive attitude and ability to think analytically and learning skills.
- Developed tools for automating various processes like **Data Migration, Bug Tracking, and XFML to PDF conversion**.
- Experience in version control systems using **Team Foundation Server, Microsoft Visual SourceSafe and Microsoft Visual Studio 2005/2008/2010/2013/2015/2017 and Core**.
- Good knowledge on **AGILE** development and **SCRUM** methodology.
- Extensive experience with **MS SQL Server** and database design & Implementation
- Experienced in Designing Use Case, Class and Sequence diagrams.
- Experience in building apps adhering to organization specific frameworks like **ORM, Entity Framework** etc.
- Expert in Trouble shooting, analysing and fixing issues in production environments and also responsible for version controlling and production rollovers.
- Having an in-depth knowledge on the **SDLC processes** due to the involvement in turn key IT Projects.
- Hands on experience in design using **Object Oriented Programming Principles like Encapsulation, Inheritance, Polymorphism, reusability and Design patterns like Abstract factory, Singleton, Object pool** a standard solution to common problems in software design.
- Excellent Customer Support skills; served as a support point of contact and Articulated Support and Maintenance Life-cycles and prepared process related docs/work-flows proactively. Thus, enabling effective Change Control Management process.
- Detailed oriented and resourceful in the completion of projects with an ability to multitask and meet deadlines. Organised individual with exceptional follow through capabilities.

## EDUCATION

- Bachelor of Engineering in Computer Science, JNT University, Hyderabad, India

## Summary of Technical Skills

<b>.Net</b>	<b>ASP.Net MVC 5, C#. NET Framework 4.5, ADO.Net, Entity Framework, Web Services/WCF, Web API</b>
<b>Microsoft Technologies</b>	<b>Project Server, PWA (Project web access)</b>
<b>Languages</b>	<b>SQL, PL/SQL, T-SQL, C, C#, JAVA, VBA</b>
Protocols	TCP/IP, HTTP and FTP
Scripting Languages	VBScript, Java Script, AJAX, JQuery, Angular2, REACT
<b>Operating Systems</b>	<b>Windows 7/XP/2000/NT/ME/98/95, Novell NetWare, Unix</b>
<b>RDBMS/Server</b>	<b>SQL Server 2005/2008/2010/2012/2014, Oracle 8i/9i/11i &amp; MS-Access</b>
<b>GUI</b>	<b>Visual Basic 5.0 / 6.0, Developer 2008, VB.NET</b>
<b>Report Tools</b>	<b>Crystal Reports, SSRS</b>
<b>ETL Tools</b>	<b>SSIS, DTS</b>
Web Servers	IIS 3.0, IIS 4.0, IIS 5.0, IIS 7.0, IIS 7.5

<b>Modeling Methodology</b>	<b>UML, MS-VISIO</b>
<b>Version Controller</b>	<b>Visual SourceSafe, Team Foundation Server , GIT</b>

## PROFESSIONAL EXPERIENCE

**Organization:** SOFTCON USA INC  
**Client:** Virginia Department of Transportation

**Programmer Analyst**  
**June 13 – Till Date**

**Project:** iSYP suite of VDOT

**Description and Features:** The iSYP suite of applications is a suite of 10 applications which is used by various users from field users, District Managers to Central Office divisions and their heads. This suite of applications enables the VDOT engineers and users to run the crux of their day to day business and also running their yearly budgeting and planning. The applications are built on different technologies ranging from Classic ASP to the latest MVC framework with Angular JS.

**Project: PCES- Project Cost Estimating System**

**Description:** PCES is a web based application used by bridge engineers to estimate costs for the bridges built by Virginia department of transportation. PCES has heavy calculations and the estimates calculated are saved for future reference. The calculations vary every financial year based on the co-efficient factors, so all the history needs to be maintained.

### Roles and Responsibility – Programmer Analyst

- Involved in the requirements phase, interact and assist Business Analysts to capture and document key business rules and coming up with Function Design Docs
- Responsible for Development, Maintenance and Support of 10 web application falling under the scope of iSYP Suite using technologies like C#, .Net, SQL Server, JQuery, SSIS, SSRS and WCF.
- Integration with **Microsoft Project Server (PWA)** for implementing Scheduling for VDOT projects. Developed various components using Project server library to customize the project sever operations like Setting Baselines, Custom status event handler, Project creation, Duration updates, Automating actuals from external systems.
- Developed estimated module using latest **Angular2** framework and **REST API**
- Developed various Web Services/WCF components and **REST API** both as provider and consumer.
- Responsible for carrying out Reviews of Technical Design and Code in order to ensure the coding guidelines and standards are adhered thus making the application scalable and performance is intact.
- Involved in Trouble shooting/debugging/fixing issues and also responsible for version controlling using TFS.
- Developed reports in SSRS.
- Support and developer various ETL jobs in SSIS which are requirements for data exchange between project Pool and other external applications
- Responsible for transforming functional requirements into application interfaces and involved in coming up with Screen Designs and app-wide controls like Layouts, Helpers, and Navigation controls using .Net MVC
- Started learning and implementing AngularJS for one of the new applications (PCES) being developed.
- Served as Support and Escalation Point of Contact for the application throughout the SDLC cycle, which are strongly coupled.
- Developed Unit test projects using **CodedUI** for UI testing and KPI test methods using **channel factory**.

**Environment:** MVC,ASP.NET 3.5, 4.0, 5.0 C#, ADO.NET,Classic APS, Web Services, WCF and Web API ,Entity Framework, SOAP, XML, MS SQL Server 2005/2008,2012/2014, Visio, JavaScript,JQuery,VSTS, /2012/2013/2017 ,SSIS , SSRS, TFS 2012, PWA, Project sever, Angular JS

**Organization:** Cognizant Technology Solutions  
**Client:** Comcast, Philadelphia, PA  
**Project:** Comcast Financial E-Forms

**Team Lead**  
**Nov 11 – June 13**

**Description and Features:** The E-forms project is to develop and maintain internal application hosting various workflow processes. The end users are the Comcast employees to raise requests regarding Capital Authorization Procurement, Data Governance, VPN access etc. There are around 65 such workflow processes. Latest technologies like **.Net 3.5/4.0, C#, JQuery ,WCF, Workflowgen tool, Entity Framework** are used for workflows have been used.

### Roles and Responsibility – Team Lead

- Actively involved in the **requirements phase, interacted/assisted Business Analysts** to capture and document **key business rules** and coming up with **Function Design Docs**.

- Developed Business Logic Layer and Integration Layer for multiple processes in C#
- Involved in **Technical in-depth** and **Field-Level analysis** of the modules and coming up with technical documentation for implementation of **Integration points** and **Work flow business rules** which form the most critical parts of the application.
- Implemented complex business logic using **entity-object model** in the process of re-engineering one of the existing modules.
- Developed various Web Services which talk to the work flow processes
- Responsible for carrying out **Reviews** of **Technical Design** and **Code** in order to ensure the coding guidelines and standards are adhered thus making the application scalable and performance is intact.
- Responsible for **transforming functional requirements** into application interfaces and involved in coming up with **Screen Designs** and **app-wide controls** like **Master Page, Header, and Navigation controls** using **ASP.NET**.
- Involved in **Trouble shooting/debugging/fixing** issues and also responsible for **version controlling**.
- Responsible for **creation, tracking and maintenance** of **Change Control Analysis, application and system documentation**.
- Developed reports in **SSRS**.

**Environment:** ASP.NET 3.5, 4.0 C#, ADO.NET, Web Services, WCF ,Entity Framework, SOAP, XML, MS SQL Server 2005/2008, Visio, JavaScript,JQuery,VSTS,Windows 2008, Visual Studio 2005/2008/2010,SSIS , SSRS

**Organization:** Infosys Technologies Ltd.

**Client:** Service Corporation International, Houston, Texas

**Project:** HMIS Next generation

**Technology Lead**

**April 09 – Oct 11**

**Description and Features:** The HMIS Next Gen project is focused on ultimately increasing the usability, efficiency, and breadth of the current HMIS system. The enhancements align with the cemetery, funeral, and contract HMIS processes more closely to the operational processes that take place at our funeral homes and cemeteries.

This robust set of changes will also expand the numbers of HMIS users to include more Funeral Directors and Office Staff as well as Family and Community Service Counselors.

Latest technologies like .Net 3.5, VB, C#, JQuery, WCF, K2 for workflows have been used.

**Roles and Responsibility – Tech/Support Lead**

- Served as **Support** and **Escalation Point of Contact** for the application throughout the SDLC cycle, which are strongly coupled.
- Actively involved in the **requirements phase**, interacted/assisted **Business Analysts** to **capture** and document **key business rules** and coming up with **Function Design Docs**.
- Developed Business Logic Layer and Integration Layer for multiple modules
- Involved in **Technical in-depth** and **Field-Level analysis** of the modules and coming up with technical documentation for implementation of **Integration points** and **Work flow business rules** which form the most critical parts of the application.
- Implemented complex business logic using **entity-object model** in the process of re-engineering one of the existing modules.
- Developed various Web Services using **WCF in C#**
- Developed a website using **MVC** framework to view Sales Counselors details and generate reports
- Implemented Single Sign ON using SAML between our application and external vendor's sites.
- Responsible for carrying out **Reviews** of **Technical Design** and **Code** in order to ensure the coding guidelines and standards are adhered thus making the application scalable and performance is intact.
- Responsible for **transforming functional requirements** into application interfaces and involved in coming up with **Screen Designs** and **app-wide controls** like **Master Page, Header, and Navigation controls** using **ASP.NET**.
- Involved in **Trouble shooting/debugging/fixing** issues and also responsible for **version controlling**.
- Responsible for **creation, tracking and maintenance** of **Change Control Analysis, application and system documentation**.
- Articulated the **Maintenance/Support Life-cycle** and documented the process related documents/work-flows. Thus enabling effective **Change Control Management** process.
- **Published** good-to-follow **coding standards** and **code-review check lists** to ensure quality deliverable.
- Involved in **QA Phase** of the application, starting from Unit Testing, System and UAT phase, and was responsible for the defect report presentation.
- Involved in coming up with the **High-Level estimates** for the development life cycle of the application.
- Responsible for the **initiation** of **Data Dictionary** need and worked closely to come up with one for the application in context, which proved a great help going forward.

**Environment:** ASP.NET 3.5, VB, C#, ADO.NET, Web Services,SAML, WCF, SOAP, XML, MS SQL Server 2005/2008, Visio, JavaScript,JQuery,VSTS,Windows 2008.

**Client:** Service Corporate International (SCI), Houston, Texas

**Project:** Technical Up gradation of HMIS

**Jan 08 – March 09**

**Description and Features:**

The purpose of this project was to do technical architecture review, do POCS for future technical enhancements and upgrade framework of the application especially with respect to Caching and crystal reports.

**Roles and Responsibility – Tech/Support Lead**

- Prepared **SAD (Software Arch Document)** for the Application ensuring the application in context fits into the Framework and re-use various components which the existing framework leverages.
- Worked on the **analysis of framework changes Technologies** in the process of coming up with an optimal solution.
- Involved in **Code-Reviews** to ensure the coding guidelines and standards are followed.
- Responsible for coming up with **multi-threading apps and add-ons**, eg. to check the health and connectivity of the application in context; the add-on was also leveraged by other applications for the features it offers.
- Responsible for **identifying the data requirements** which involved working closely **with business team**; came up with a documentation reflecting the data flow to and from the application.
- Involved in **Change Control Management process** in order to **record and track the post-production issues and other enhancements**. Thus enabling **structured implementation and deployment** in further releases of the application.
- Involved in Active coordination with the **External Interface partners/applications**, utilized/developed the **Web Services and Batch jobs** in order to meet the requirements in an effective way.
- Involved in the **SIT, UAT** phases before taking the application through the **Penetration Testing and Performance Testing**.
- **Lead** a team of **15** in developing the Web Based application from Onsite.
- **Warranty Support and Prod Support** Point of Contact after the App-Live.
- Was involved in **review** of the **Logical Model** of the DB to ensure the basic rules have been adhered and all the functional/technical needs are catered to.
- Actively involved during the requirements phase. Provided suggestions which proved beneficial to Business and in process enhanced my knowledge on the securities domain.

**Environment:** ASP.NET 2.0/1.1, C#, ADO.NET, SQL Server 2005, PL/SQL, Visio, JavaScript, soap, XML, MS Visual Source Safe, Actuate, Visual Studio 05, Harvest, Documentum, Win 2000, Win 2003 and Win XP

**Client:** Service Corporate International (SCI), Houston, Texas

**Dec 07 – Mar 08**

**Project:** People Data Management Systems

**Description and Features:**

The Scope of the project is to develop a web application for existing PDMS windows application with new enhancements.

**Roles and Responsibility – Senior Developer**

- Was involved in designing & development of Complex Payroll Deductions and Adjustment module.
- Was Involved in UML design (Class diagrams & Sequential Diagrams) process.
- Has been involved in Configuration management and software process management activities.
- Was involved in application Frame work and screen designing.
- Have Implemented Client-side Validations and java scripts for application.

**Environment:** .Net2.0, C#, Sql Server 2005, Nunit, VSTS, XML, HTML, DHTML, CSS, PHP, JavaScript & Ajax, ER studio, Araxis Merge and Rational Rose suit .

**Client:** Service Corporate International (SCI), Houston, Texas

**Jan 07 – Nov 07**

**Project:** People Soft Data migration

**Description and Features:**

The Scope of the project is to develop a migration engine to migrate SCI people and payroll data which were in four different legacy systems to SQL and then migrate to PeopleSoft.

**Roles and Responsibility – Senior Developer**

- Was involved in designing & development of Migration engine which migrated data from Oracle, Mainframe Flat files ,SQL to a SQL DB and then generate flat files to feed data to PeopleSoft
- Was Involved in UML design (Class diagrams & Sequential Diagrams) process.
- Has been involved in Configuration management and software process management activities.
- Was involved in application developing many tools which eased the process of development which helped in reducing the time effort phenomenally.
- This gave the team the luxury of more time in testing and delivering the best quality.
- Also involved in Design of various Interface between different system which exchanges files between these systems

**Environment:**. Net2.0, C#, Sql Server 2005, VSS, DTS.

**Client:** ALDERWOODS group

**Jul 06 – Dec 06**

**Project:** HMIS Custom Reports Phase 2 and Support

**Description and Features:**

The primary purpose of this project is to create/maintain custom reports for SCIAlderwoods which would give reports on their daily/monthly/annual sales/profits which serve as the source of data for the business decisions to

be taken by the Sales and Management Groups.

#### **Roles and Responsibility – Senior Developer**

- Involved in maintenance activities (developing, implementing the new business changes) and extending Support by enhancing the existing Custom Reports.
- Used Crystal Reports 8/9/10 as the reporting tool for development.
- Develop and deliver enhancements to the system in accordance with approved specifications. Ensure delivery of these enhancements, and fault resolution, to time, cost and quality targets, and provide progress information.
- Utilized system analysis skills to produce technical specifications from Business requirements.
- Involved in coming up with Logical and Physical data models.
- Involved in writing and tuning sql queries and stored procs for the page level transactions and report module.
- Ensure compliance with defined Work Instructions to ensure the integrity and performance of the system is not compromised. Identify, to the Business Analysts, any changes needed to Work Instructions or new Work Instructions required.
- Documented good-to-follow coding standards and code-review check lists to ensure quality deliverable.

**Environment:** Crystal Reports,MS SQL Server 2000, MS Visual Source Safe, .NET 1.1,C#, Win 2000, Win 2003 and Win XP

**Client:** Service Corporate International (SCI)

**Jan 06 – Jun 06**

**Project:** HMIS Enhancements Version 7

#### **Description and Features:**

The Scope of the project is to develop a web application for existing PDMS windows application with new enhancements.

#### **Roles and Responsibility – Senior Developer**

- Was involved in designing & development of Complex Payroll Deductions and Adjustment module.
- Was Involved in UML design (Class diagrams & Sequential Diagrams) process.
- Has been involved in Configuration management and software process management activities.
- Was involved in application Frame work and screen designing.
- Have Implemented Client-side Validations and java scripts for application.

**Environment:** Net2.0, C#, VB,Sql Server 2005, Nunit, VSTS, XML, HTML, DHTML, CSS, PHP, JavaScript & Ajax, ER studio, Araxis Merge and Rational Rose suit .

**Client:** Service Corporate International (SCI)

**Dec 05 – Jan 06**

**Project:** HMIS Enhancements Version 5.5

#### **Description and Features:**

The Scope of the project is to develop a web application for existing PDMS windows application with new enhancements.

#### **Roles and Responsibility – Senior Developer**

- Was involved in designing & development of Complex Payroll Deductions and Adjustment module.
- Was Involved in UML design (Class diagrams & Sequential Diagrams) process.
- Has been involved in Configuration management and software process management activities.
- Was involved in application Frame work and screen designing.
- Have Implemented Client-side Validations and java scripts for application.

**Environment:** Net2.0, C#, VB,Sql Server 2005, Nunit, VSTS, XML, HTML, DHTML, CSS, PHP, JavaScript & Ajax, ER studio, Araxis Merge and Rational Rose suit

**Client:** ALDERWOODS group

**Jan 05 – Dec 05**

**Project:** HMIS Custom Reports Phase 1

#### **Description and Features:**

The primary purpose of this project is to create/maintain custom reports for SCIAlderwoods which would give reports on their daily/monthly/annual sales/profits which serve as the source of data for the business decisions to be taken by the Sales and Management Groups

#### **Roles and Responsibility – Senior Developer**

- Involved in maintenance activities (developing, implementing the new business changes) and extending Support by enhancing the existing Custom Reports.
- Used Crystal Reports 8/9/10 as the reporting tool for development.
- Develop and deliver enhancements to the system in accordance with approved specifications. Ensure delivery of these enhancements, and fault resolution, to time, cost and quality targets, and provide progress information.
- Utilized system analysis skills to produce technical specifications from Business requirements.
- Involved in coming up with Logical and Physical data models.
- Involved in writing and tuning sql queries and stored procs for the page level transactions and report module.
- Ensure compliance with defined Work Instructions to ensure the integrity and performance of the system is not compromised. Identify, to the Business Analysts, any changes needed to Work Instructions or new Work Instructions required.
- Documented good-to-follow coding standards and code-review check lists to ensure quality deliverable.

**Environment:** Crystal Reports,MS SQL Server 2000, MS Visual Source Safe, .NET 1.1, Win 2000, Win 2003 and Win XP

**Client:** Infosys Technologies Ltd

**Oct 04 – Jan 05**

**Project:** Corporate Intelligence

**Description and Features:**

The Corporate Intelligence system is intended to capture, classify and disseminate the information on firm's competitors. It also enables comparison of performance of firm against these competitors on various performance indicators: financial (Profitability, revenue growth, etc.) and operational (Utilization, Billing rates, etc.) parameters.

**Roles and Responsibility – Senior Developer**

- Developed the prototype based on the Requirements.
- Prepared Detailed Level Design (DLD) for the complex Application modules.
- Layed out a multi layered architecture of the Application.
- Came up with all the Generic Components required by the Application like Header, Footer, Side Navigation, and Error Component.
- Involved in analysis and fixing the change controls assigned.
- Involved in Defect fixing in the SIT phase.

**Environment:** Sql Server, PL/SQL, VB 6.0, ASP, COM+, ASP.NET 1.1, JavaScript, MS Visual Source Safe, Win 2000 and Win XP

**Roles and Responsibility – Developer**

- Developed the prototype based on the Requirements.
- Prepared Detailed Level Design (DLD) for the complex Application modules.
- Played the role of team lead and also developed the basic framework and Database design for the project.
- Documented every detail of the project and submitted to University which won accolades.

**Environment:** VB, Oracle, Win 2000.

**Educational Background:**

- B.TECH in Computer Science and Information Technology.