**GowriSankar Krishnan**

**Email**: [gowrisankarkrishnan@gmail.com](mailto:gowrisankarkrishnan@gmail.com) **Mobile**: +1 651 955 9613

**SUMMARY:**

* Overall experience of 12 years in Software industry, complete understanding of the **Software Development Life Cycle** (SDLC) including business requirements analysis, design, development and implementation of **Web, Console** and **Windows** based applications.
* Extensive experience in designing and developing **Object Oriented Systems** using **Microsoft .NET (2.0/3.0/3.5/4.0/4.5) technologies**.
* Experience with GOF Design patterns, **MVVM**, **MVP** and **MVC** and hands on experience working on the **ASP.NET MVC 4 framework**.
* Hands on experience in developing java script frameworks **Angular 2.0, ReactJS and NodeJS.**
* Hands on experience in creating **python** script using **pycharm IDE** and call the script in .net using **ironpython**.
* Hands on experience in developing enterprise applications using **C# / VB.NET, ASP.NET, MVC, Entity Framework, Dependency Injection, LINQ, XML, JavaScript, Jquery(Json), AJAX, CSS, Crystal Reports** and **Silverlight**.
* Experience in JavaScript Framework using **AngularJS**, **Telerik–Knockout** and **Bootstrap**.
* Experience in developing **SOA** based applications.
* Hands on experience in **log4net** and **Enterprise library** **logging.**
* Developed **Web Services**, **Web API (REST)** and **WCF** services using **C# / VB .NET**.
* 4+ years of hands on experience in programming **Active Directory** and **LDAP** systems
* 1+ years of hands on experience in programming **ColdFusion** and **PHP**.
* 6+ years Hands on experience in **DB2**, **Microsoft SQL Server 2005/2008 and RDBMS** Concepts, Database Programming with the help of **Stored Procedures, Triggers, Cursor and Indexes**.
* Experience with configuration and maintenance of applications on **IIS**.
* Experience in **porting** legacy code and **migrating** to .**NET** applications to higher level of framework versions.
* Extensive experience in developing software using **OOAD**.
* Hands on experience in writing Low Level Design Documents [**LLDD**], High Level Design Documents [**HLDD**], Business Requirement Specification [**BRS**], Admin Guides and Release Notes.
* Having used **Waterfall**, **Spiral** and other software developmental methodologies in the past now concentrating on **Agile** development and extreme programming paradigm.
* 5+ years of experience in **Team Lead** role [Effort estimation, task distribution, knowledge transfer planning, risk analysis and management] and ability to work as an individual contributor.
* Has understanding of **Microsoft Patterns and Practices** and experience in implementing the P&P guidelines.
* Experience and understanding in delivering and planning Service Packs/Patches/Quick Fixes to the software.
* Experience in dealing with **on-site** and **off-shore** teams, customers and stake holders.
* Domain expertise in **Education**, **Commercial**, **Retail** Banking, **Health** and **Tax**.

**Technical Skills**

**Web Servers:** IIS 6.0/7.0

**Operating System:** Windows 7, Windows Server 2008

**Database:** MS SQL Server /Oracle

**Programming:** C# .NET, ASP.NET, VB.NET, ADO.NET, WPF, WCF, LINQ, Web Services, Web API, ASP .NET MVC4, PHP, ColdFusion, Angular 2.0 , Python 2.7

**Web Tools:** XML, XAML, XSL, XSLT, XSD, XPATH, HTML, DHTML, JavaScript, VB Script, Jquery, CSS, AJAX , IronPython

**Utilities & Tools:** Forum Sentry, MS Build, Crystal Reports

**Versioning Tools:** Team Foundation Server, Visual Source Safe, SVN

**OO Design Tools:** UML, Design patterns, MS Visio

**Professional Experience**

**State of Georgia (Department of Education) Atlanta GA July 2015 – Till Date**

**Development Lead / Senior .NET Developer**

**Monitoring System for School District**

**Description:** Monitoring system design and development for School District to automate complete workflow process for field agent, team lead, project manager, program manager, program director, district coordinator and district superintendent. Monitoring provides technical assistance, resources and program monitoring of local education agencies to ensure that all children have an opportunity to obtain a high quality education and to achieve proficiency on high academic standards. Division regularly monitors Title programs at the local level to ensure compliance with regulations as well as to assure the quality of the program and the instructional delivery being utilized with at-risk populations.

Federal Monitoring review of program compliance requirements, budgets & expenditures. Results based monitoring for Title I, single audit, On-site monitoring, Self-Monitoring, and Inventory monitoring, flexible learning programs.

**Title Programs Query Monitoring system**

In the monitoring process state users raise the query/question in monitoring system. it will assign to district users.

Once the (district) user submit document for specific query/question raised by state user, system will automatically read the uploaded document and match the requirement set by state users. If all match found, system will submit the auto reply to district users.

We automated this auto reply and file upload using the **Python** scripting.

**Responsibilities**

* Worked as **solution architect** to design and develop new modules for the application.
* Involved in **planning projects** and allocating tasks to team members, using agile methodologies.
* Analyze requirements from business team using **Object Oriented Design and Analysis**
* Created stored procedures using **SQL Server 2008**
* Implemented the **Reports** using **SSRS**.
* Performed Extensive **code analysis** of existing code to eliminate code redundancy.
* Implemented 3 tier architecture using **Service Oriented Architecture (SOA)**
* Wrote database components to access database using **ASP.Net MVC, Kendo UI, Web API, LINQ, Bootstrap and Entity Framework**.
* Extensively worked on **ASP.NET MVC, Ajax** and **XML** technologies using **C#**.
* Test business processes in all monitoring with end to end process work flow.
* Execute the QTP script with traceability functionality.

**Environment:** C#,.NET4.5,ASP.NET MVC 4.0, Angular2.0 EntityFramework, Sharepoint, Webservice, WEB API, Sql Server 2008, PHP, MS Team Foundation Server, Knockout and Bootstrap JS, Visual Studio 2015, TFS

**State of Georgia (Department of Education) Atlanta GA Mar 2015 – June 2015**

**Development Lead / Senior .NET Developer**

**GaDOE School Nutrition Online Program**

**Description:** The mission of the School Nutrition Online Program is to provide leadership, training and technical assistance, and resources so that local program personnel may deliver quality meals and education that contribute to the nutritional well-being of Georgians and their performance at work and school.

In School Nutrition Units we have the following units

Administration Unit - Administration (ADM) provides operational support to the state and local school nutrition programs in Georgia. This includes the administration and disbursement of important school nutrition documentation, contacts, and associations.

Food and Nutrition Business Support Unit - Food and Nutrition Business Support Unit (FNBSU) provides online training, guidance, technical assistance, and resources for local school nutrition programs. Within this unit, are key areas including: Communications, Food Distribution, Food Safety and Security, Nutrition and Wellness and Professional Learning/Training.

Finance and Budget Unit - Finance and Budget Unit (FBU) serves as a point of reference for the School Nutrition Online (SNO) Application, Fresh Fruit and Vegetable Program, and financial management.

Review and Technical Assistance Unit - Review and Technical Assistance Unit (RTAU) is responsible for the regulation and compliance of USDA's Code of Federal Regulations as it pertains to the National School Lunch Program, School Breakfast Program, After-school Snack Program, Seamless Summer Option, and Special Provision.

**Responsibilities**

* Worked as **solution architect** to design and develop new modules for the application.
* Involved in **planning projects** and allocating tasks to team members, using agile methodologies.
* Analyze requirements from business team using **Object Oriented Design and Analysis**
* Created stored procedures using **SQL Server 2008**
* Implemented the **Reports** using **SSRS**.
* Performed Extensive **code analysis** of existing code to eliminate code redundancy.
* Implemented 3 tier architecture using **Service Oriented Architecture (SOA)**
* Wrote database components to access database using **ADO.NET, LINQ and Entity Framework**.
* Extensively worked on **ASP.net, Ajax** and **XML** technologies using **C#**.

**Environment:** C#,.NET4.5,ASP.NET MVC 4.0,EntityFramework,Sharepoint,Webservice,Sql Server 2008, PHP, MS Team Foundation Server, Knockout and Bootstrap JS, Visual Studio 2012, TFS

**Synovus Financial Corp, Columbus, GA. Feb 2013 – Mar 2015**

**Senior .NET Developer**

**Commercial Portal – Business Banking Center.**

**Description:** The commercial portal is intended to enable Commercial banking customers to access various services offered under the Commercial Banking Portfolio through authentication and authorized access to services that the customer has signed up for. The Internal Admin application will allow the Synovus Admin to enroll the commercial banking customer for various services as requested by the customer, and fulfill customer service requests. Commercial Portal includes the following functionality “Integrated with 3rd party services (ACH / Wire Tran, Business Internet Banking, Lock Box and RED) and “Workflow and Service Request Queue”.

**Responsibilities**

* Worked as **solution architect** to design and develop new modules for the application.
* Involved in **planning projects** and allocating tasks to team members, using agile methodologies.
* Analyze requirements from business team using **Object Oriented Design and Analysis**
* Created **Entity Data models** using **ERWin** and developed stored procedures using **SQL Server 2008**
* Implemented the **Chart** and **Grid** using the **Telerik** controls.
* Performed Extensive **code analysis** of existing code to eliminate code redundancy.
* Implemented 3 tier architecture using **Service Oriented Architecture (SOA)**
* Work closely with SOA team and consumed the **TIBCO** Services in .net Application.
* Wrote database components to access database using **ADO.NET, LINQ and Entity Framework**.
* Extensively worked on **ASP.net, Ajax** and **XML** technologies using **C#**.
* Test business processes in all monitoring with end to end process work flow.

**Environment:** C#,.NET4.5,ASP.NET MVC 4.0,EntityFramework,Sharepoint,Webservice,Sql Server 2008, PHP, MS Team Foundation Server, Knockout and Bootstrap JS, Visual Studio 2012, TFS

**Synovus Financial Corp, Columbus, GA. Jul 2011– Jan 2013**

**Senior .NET Developer**

**Consumer Online Access (Online Banking)**

**Description:** Consumer Online Access project consists of online banking targeted at personal banking users. The online access intended to enable users to access checking, money market, money transfer, savings, loan(s), and CD, IRA and credit card accounts.

Online Banking includes the following Modules Login, authentication and authorization of users using LDAP, Password Verification Question using Intelligence Authentication, Estatement, Self Service and Enroll new users

**Responsibilities**

* Worked as independent **architect** as well as developing certain modules for other projects as team member.
* Involved in **project planning** and coordinating tasks between team members.
* Gathering requirements from end user and analyzing business need using **Object Oriented Design and Analysis (OOAD)**.
* Created **Logical and Physical Data model** using **SQL Management studio**.
* Wrote **TSQL** stored procedures and Functions for **SQL Server 2008** database using **SQL Management Studio**
* Wrote database components to access database using **ADO.NET, Entity Framework** and **LINQ**.
* Extensively worked on **ASP.net**, **Ajax** and **XML** technologies using C#.
* Used Enterprise Library 4.1 for logging events and exceptions.

**Environment:** ASP.NET 3.5, C#.Net, Web Services, XML, SQL SERVER 2008, Jquery, Linq to SQL, Visual Studio 2010, SVN, ColdFusion.

**Ceridian Corporation, Minneapolis, MN. Dec 2010– Jun 2011**

**Senior .NET Developer**

**ISS – Payroll System**

**Description:** Ceridian maintain back-up copies of client information and ensure protection of employee and company data. In addition, we offer Web-based employee self-service solutions that empower your employees to manage and access their own human resources information, to ease the administrative burden on HR staff.

**Responsibilities**

* Used **SCRUM AGILE model** to manage work between team members.
* Involved in analyzing business requirements and creating **OOD** and **OOA** based Architecture design and **Class Diagram** and **Sequence Diagram** preparation with **UML**, using **Visio**
* Created **Logical and Physical Data model** using SQL Management studio.
* Wrote **TSQL** stored procedures and Functions for **SQL Server 2008** database using **SQL Management Studio**
* Wrote database components to access database using **ADO.NET, LINQ** and **Entity Framework**.
* Extensively worked on **Silverlight**, **ASP.net, Ajax**, **WCF** Services and **XML** technologies using C#.
* Involved in **SOA** design and implementation using **WCF**
* Created **WCF** Data Contracts and Message Contracts using Web Service Software Factory
* Used **Enterprise Library** 4.1 for logging events and exceptions.
* Used **N-Unit** to create Unit tests.

**Environment:** Silverlight 3.0, WCF, C#.Net, ASP.NET, XML, SQL SERVER 2008, Visual Studio 2010, TFS

**Wolters Kluwer Financial Services, New York City, NY. Jul 2009– Nov 2010**

**.NET Developer**

**CCH-LIS hCue Refresh**

**Description:** hCue is an existing corporate records management and board solutions provider system. As a central repository for corporate records, CT's hCue allows to store all necessary files in a host of file formats, in a secure environment. The aim of the project is re-designing the corporate governance application to provide better user experience, to provide both front-end and back-end changes (e.g. data model, security model), advanced security features and Performance Improvement through the new technologies.

**Responsibilities**

* Lead a Development team through **SDLC, Design architecture**, analyze business requirements and create system level architecture.
* Used **AGILE model** to manage work between team members.
* Involved in analyzing business requirements and creating **OOD** and **OOA** based Architecture design and **Class Diagram** and **Sequence Diagram** preparation with **UML**, using **Visio**.
* Wrote TSQL stored procedures and Functions for SQL Server database using **SQL Management Studio**
* Wrote database components to access database using Stored Procedures, **ADO.NET** and **LINQ**.
* Extensively worked on **ASP.net, Ajax, WCF Services** and **XML** technologies using C#.
* Used **Silverlight** to develop the UI pages.
* Developed **Custom Web** parts for Website portal and **SharePoint**
* Created Web Service wrapper and **XML** schema to class generation using Microsoft.NET toolkit and Microsoft **SOAP** toolkit.
* Involved in **SOA** design and implementation using **WCF**
* Created **WCF** Data Contracts and Message Contracts using Web Service Software Factory
* Created Winforms applications to be used as test client using WPF to test the WCF service
* Used **Enterprise Library 4.1** and **MSMQ** Distributor for logging events and exceptions.
* Wrote XML schemas (XSD) to validate XML.
* Used **XSLT** to format dynamic controls described in XML.
* Created MSI Packages for easy deployment
* Portal application development with SharePoint

**Environment:** Silverlight 3.0, WCF, C#.Net, ASP.NET, XML, SQL SERVER 2008

**Wolters Kluwer Financial Services, New York City, NY. Apr 2009– Jun 2010**

**.NET Developer**

**Migrate MUMPS/Cache to Oracle/ASP.NET**

**Description:** This redesign effort is a follow up to CTA Redesign project (CTAR) and will enable us to migrate to a new platform and architecture. By doing this, we will successfully move away from the last remaining vestiges of legacy CTA. Most importantly, we will be decoupling this functionality from the BizTalk (BT) Infrastructure which will decrease downtime on other BT functionality and reduce/eliminate maintenance and troubleshooting effort by CEA, DBA, Production Support teams.

**Responsibilities**

* Involved in development of Framework code for **MVC** functionality.
* Involved in working and leading various
* Involved in **OOD** and **OOA** based Architecture design and Class Diagram preparation with UML
* Created Data Layer class libraries **using ADO.NET** and **Enterprise Library**
* Created Web Service wrapper and **XML** schema to class generation using Microsoft.NET toolkit and Microsoft **SOAP** toolkit.
* Involved in analysis the **BizTalk Mappers 2006**
* Wrote XML schemas (XSD) to validate XML.
* Used **XSLT** to format dynamic controls described in XML.
* Created Test Cases using **NUnit** and Test Projects.

**Environment:** Visual Studio 2008, C#, Oracle 9i

**Wolters Kluwer Health, St Cloud, MN. Sep 2008– Mar 2009**

**.NET Developer**

**Migrate MUMPS/Cache to Oracle/ASP.NET**

**Description:** WK Clinical Solutions develops drug and medical information tools that are integrated into the pharmacy, hospital or healthcare vendor's information systems, or used as stand-alone products. MUMPS Cache is a maintenance application which is used by the Editorial groups to maintain the MediSpan Drug Database which contains very sensitive data about the Drugs, Drug Interactions, Food-Drug Interactions, Allergy check etc.

**Responsibilities**

* Analyze the existing **MUMPS/Cache application** to a Web Application using **ASP.NET** and Oracle.
* Reduce the Editorial maintenance burden by providing more user friendly web application with **AJAX** support and Undo-Redo facility for actionable items.
* Extensive usage of AJAX enabled controls to enhance the usability of the application.
* Redesign the Database structure and migrate data from the existing system to the new structure

**Environment:** Windows XP, Visual Studio 2008, ASP.Net MVC RC, JQuery, C#, Oracle 9i, NHibernate, SVN

**Wolters Kluwer Financial Services, New York City, NY. Oct 2007– Oct 2008**

**Web Developer**

**Crystal Report Migration**

**Description:** The objective of the Crystal Report Migration is to transfer the crystal reports to webpage in the transaction report generation website. The Transaction information is stored in the CCH database server. System needs to track the transactions and are processed in the specified date and time; we can login to the transaction website get the report for all transactions, credit card transaction for prior year, and credit card transaction for AMEX.

**Responsibilities**

* Requirement Gathering & Analysis, Presentations to client and Use case documenting.
* Designing & Estimation, Coding & Bug Fixing.
* Providing Functional support & Functional Documentation for all the modules in the application.
* Code Review and Unit Testing.
* Deployment and Delivery, committing code to **TFS**.

**Environment:** Windows XP, Visual Studio 2008, ASP.Net 2.0, C#, SQL Server, XSLT, TFS

**Fifth play NV – Belgium. Dec 2006– Sep 2007**

**Developer**

**Big Mama**

**Description:** Fifth Play will fix an embedded device called fifth gate device in the customer place. This device frequently polls the web service in equal interval of time and checks for the new message from the polling web service. If any new message for the particular fifth gate, then the device calls another web service, where the event router (MSMQ) will trigger the specific business logic related to the service provider.

**Responsibilities**

* Providing Functional support & Functional Documentation for all the modules in the application.
* Create the Web services and front end UI to connect fifth gate camera.
* Implement the **MSMQ** user control to connect the device to application.
* Code Review and Unit Testing.
* Deployment and Delivery, committing code to TFS.

**Environment:** Asp.net 2. 0, Visual Studio 2005, C#, Rest Architecture, Web Services, Server 2005, MSMQ (Message Queuing)

**Schleber & Co. bvba, Antwerp. Belgium Jan 2006– Nov 2006**

**Web Developer**

**Term 4 Term (T4T)**

**Description:** T4T (Term-4-Term) is a software application which contains the dictionary of words / phrases called terms and other information related to these terms. The website is designed as a collection of terms, each of which is uniquely linked to a language. The application is multilingual and available in the user specific language (initially, limited to 3 user interface languages, namely Dutch, French and English).

**Responsibilities**

* Involved in implementing the change requests and new requirements in the application.
* Developed the Admin and User Screen.
* Implement the user controls for menu and Grid.
* Involved in sharing the knowledge to the team members on various layers of the application.

**Environment:** Asp.net 2. 0, Visual Studio 2005, C#, SQL Server 2005

**Logsys Pvt Ltd, Belgium Feb 2005– Dec 2005**

**Web Developer**

**Logsys**

**Description:** Logsys is a web based application which can provide a complete solution for the logistics domain. It is a full-fledged application which eases the complex tracking of Maintainers and provides the best optimum solution for the business. The application encapsulates all the abstract details from the user and it automatically manages the data in a consistent manner.

**Responsibilities**

* Involved in requirement gathering, analysis and wireframe design.
* Implement the WebPages and user controls with searchable Grid functionality.
* Creating Stored procedures and fine tune the database queries.
* Involved in sharing the knowledge to the team members on various layers of the application.

**Environment:** Asp.net 2. 0, Visual Studio 2005, C#, SQL Server 2000

**EDUCATION & CERTIFICATIONS:**

* Diploma in Information Technology from Director of Technical Education, India during 2002.
* Bachelor in Computer Science from Anna University, India during 2005.
* Microsoft Certified Technology Specialist - **.Net Framework 2.0 : Web-Based Client Development**