**SHANKARSAN DAS**

Senior C # ASP .Net Developer/Lead/Architect

**SUMMARY**

* 15+ year’s software engineering expert in business analysis, solutions implementation, planning, architecture design, development, testing and training since 1997. Proven track record of working with enterprise clients throughout the entire life cycle of software development in **on site-offshore global delivery environment**. Performed diverse roles in small to large scale global software projects including team management, **client interfacing**, **and on site-offshore co-ordination.**
* Worked primarily on **Microsoft Technology Stack**. Hands on experience in Windows, Web-based and Rich Internet Applications using **Visual Basic**, **Microsoft SQL Server, SSIS, SSRS, Microsoft .NET, C#, VB.NET, ASP.NET, Web Services, Web API, WCF and JQuery libraries**.
* Experience in Enterprise class web applications using **Windows Communication Foundation** (WCF), **REST Web API**, and **ASP.NET MVC**.
* Worked on Microsoft SQL Server based development (Stored Procedures, Views, Table Design, Triggers, Indexes) and Tuning Optimization in Large Scale and concurrent scenarios.
* Experience in development of a **distributed calculation engine** using Visual Basic and SQL Server.
* Experienced in solution architecture and design using **SOA**, **Design Patterns**, and **OOAD** within framework of software engineering processes such as **SDLC**, **CMMI**, **RUP**, **and Agile SCRUM**.
* Good exposure in leveraging and leading technical team towards meeting client expectations as well as exploring innovative ideas for building customer confidence and Improving organization ROI.

**EDUCATION**

* B.E. (Honors.) (Computer Engineering), Mumbai University on May 1997.
* PSM I (Professional Scrum Master) from Scrum.org.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Platforms** | Microsoft Technologies - .NET 4.0, 3.5, 3.0, 2.0 |
| **Languages** | C#, VB.NET , LINQ, VB6 |
| **Frameworks** | WCF, Web API, WF, Entity Framework, ASP.NET MVC 4.0, 3.0 , MEF, MS-Test, Nunit, ADO.NET, Code First Migration. |
| **Web Technologies** | IIS 7.0, IIS 6.0, Web Services, ASP. NET, REST, Web Forms, AJAX, JSON, JavaScript, JQuery, Typescript, KnockoutJS, Kendo |
| **Markup Languages** | HTML5, HTML, XML, XSL, XSD, XPATH, XQUERY |
| **Modeling Tools** | Microsoft Visio 2007, Rational Rose, Rational XDE, ErWin32 |
| **Reporting Tools** | SSRS, SSIS, Crystal Reports. |
| **Performance Tools** | .NET Memory Profiler, ANTS, Rational Quantifier. |
| **Databases** | SQL Server2008, Microsoft Access, PostGres. Stored Procedures, Triggers, T-SQL, Index, SSIS. |
| **Development Tools** | Visual Studio 2012. 2010, 2008, Visual Source Safe 6.0, Perforce, SVN, Visual Studio Team System 2012 (TFS), Atlassian JIRA, SQL Plan Explorer. |
| **Operating System** | Windows Server 2008 R2, Windows 7, Windows XP |
| **Office Tools** | Microsoft Project 2007, InfoPath 2010, Microsoft Office 2010. |

**PROFESSIONAL WORK EXPERIENCE**

**United Health Group, MN Feb’15 – Present**

**Senior .NET Developer/Performance Improvement Consultant**

Working on Health Care Exchange project which involves healthcare data transformation through various ETL and Application processes and distributed across several internal applications for used for administration It has a very high traffic public web portal backed by an extensive web-farm and massive SQL Server cluster. The suite of applications and databases are designed following SOA principles and support the Enrollment via Federal/State HealthCare Exchanges as well as COBRA business.

**Responsibilities**

* Worked on ecosystem of applications fulfilling the need of end to end health-care exchange program.
* Lead the efforts to migrate the ASP.NET web portal to new scalable data-center and stream-line the EDI and data-flow processes to optimize performance.
* Hands on contribution to development of technical modules using Microsoft Technologies like **Asp.NET MVC, C#**, **LINQ**, **WCF Web Services**, **SQL Server 2008/2012, SSIS**.
* Engaged onshore and offshore teams as well as QA and Business people to meet project deliverables.
* Did participate in Database Optimization on large stored procedures working with very large record-sets.
* Worked within agile framework practicing the **SCRUM** framework.
* The everyday task included collaboration between Product Owners, Scrum Master, Business Analysts, QA team, different technical teams across globe as well as project director.

**Environment:** ASP.NET, MVC, C#, JQUERY, LINQ, MVC 4, WCF, Web API, SQL Server 2008/2012, SSIS, SSRS, SVN, Rally, TFS, Windows NT Services.

**KPMG, New Jersey May’14 –Feb’15**

**Senior .NET Architect**

Brillio is a major player in providing managed IT Services to medium to large enterprises providing innovative solutions to their business needs..

Working on **PartnerTrack -** an enterprise wide initiative to create a common technical platform for performing end-to-end business process for large partnership entities and their taxation covering federal and state local tax systems. It is a large scale enterprise system build on Microsoft Stack of technologies and use cutting edge tools, techniques and architecture to support large number of clients running data-intensive calculations. The platform is built to inter-operate with many of the existing systems using Enterprise Integration infrastructures such as **ESB**, **WCF** web services, enterprise **replication**, **SSRS**, **Authentication Services** and SQL Server Parallel Data Platform (**PDW**).

**Responsibilities:**

* Worked with one of the largest clients in the Tax Technology Practice Domain.
* Lead technical design and architecture for custom product development and implementations.
* Hands on contribution to development of technical modules using Microsoft Technologies like **Asp.NET MVC**, **LINQ**, **Entity Framework** **Code First**, **WCF Web Services**, SQL Server 2008, Enterprise Service Bus (**ESB**) SOA modules , **Kendo**, **JQuery**, Orchard Framework and **Autofaq**  for Dependency Injection.
* Used MS-VISIO along with TFS for project requirement tracking.
* Did participate in Database Optimization on large stored procedures working with very large recordsets.
* Worked within agile framework practicing the **SCRUM** methodology.
* The everyday task included collaboration between Product Owners, Scrum Master, Business Analysts, QA team, different technical teams across globe as well as project director.

**Environment:** ASP.NET, MVC, C#, AJAX, JQUERY, Kendo, LINQ, Code First, Entity Framework, MVC 4, WCF, SQL Server 2008, TFS, Windows NT Services, Multitasking, ESB.

**Lincoln Peak Partners, Newton MA Apr’09 – Apr’14**

**.Net Lead**

Lincoln Peak Partners is a leading IT services company focused on healthcare and manufacturing domain serving large global clients.

Worked on **DNS** **Platform** project which was developed as an open source collaboration platform in partnership with **Harvard Pilgrim Healthcare Institute** for **healthcare** providers exchange their data with the nationwide research labs and insurance companies. This is a Asp.NET MVC based portal and uses MS-SQL Server 2008 as back-end.

Worked on **SpecDirect suite of applications** for **Intertek** which implement the end-to-end work flow involved in industrial testing of Fire-Safety of products. The suite of application is developed using ASP.NET web forms, Web Services and MS-SQL Server 2008 as back-end.

**Responsibilities**

* Contribution to technical design and architecture for custom product development and implementations.
* Prepare project plans, documentation, and estimation.
* Manage customer engagement and perform business analysis. Used MS**-VISIO** for various business diagrams such as **flow-charts**, block diagrams, **activity diagrams**, **use-case** diagrams, etc.
* Worked hands on implementing latest MS and Web Technologies like **Web API, WCF, MVC, Code First, EF5, JQUERY, KnockoutJS, and Kendo**. Used **ODATA** over **RESTful Web API** in Web-based Data Mart project.
* Worked on **Single Sign On** (SSO), **SignalR**, Managed Extensibility Framework (**MEF**).
* Worked on implementation of **certificate based authentication** with OWIN framework.
* Extensively worked on **T-SQL**, **Stored Procedures**, **Views**, Indexes and writing **Optimized queries**.
* Worked on **ASP .NET Web forms**, Asmx web services, consumption of SAP Data using SAP connecting APIs.
* Worked on **Windows Workflow Foundation** features along with **SSRS** and **SSIS** for a Newspaper company.
* Used **Continuous Integration** (**TFS**), requirement and defect tracking using **JIRA**.
* Worked within the framework of **SDLC** as well as **Agile SCRUM**.

**Environment:** ASP.NET C#, VB.NET, CSS, XML, XSL, AJAX, JQUERY, **KnockoutJS, Kendo**, **LINQ, Entity Framework, MEF**, **MVC 4.0**, WCF, WWF, Visual Studio 2012,2010,2008, VSTS 2010, IIS 7.0, SQL Server 2008, **SSIS**, **SSRS**, SAP Connector.

**FactSet Research Systems Inc, Chicago IL Apr’07 – April ‘09**

**Senior Software Engineer/ Asp.Net Developer**

FactSet is a well-known IT product company for Investment Banking, Financial Securities, Fixed Income Analytic and financial benchmark data.

Worked on **Fixed Income Analytic** which is a powerful tool to analyze all asset classes, both individually and within portfolios. Fixed Income Analytic provides with the analytical flexibility and necessary data to study fixed income funds in great depth from numerous perspectives. Combining a powerful analytic engine with industry-leading suite of portfolio management applications.

**Responsibilities**

* Led technical engagement for product strategy, architecture, design, and technology selection for the financial analysis product.
* Engaged in continuous optimization, enhancement and architectural improvement of financial calculation server to meet the growing and ever-evolving business needs.
* Provided technical leadership to a team of engineers to achieve product milestones in consistent co-ordination with different entities of organization such as quality control, financial engineers, sales and marketing teams.
* Worked on Distributed Calculation Service using **VB6**, **Activex EXE**, **NT Services**, **SQL Server**, **Stored Procedures**. Worked on re-architecture initiative using **C#, WCF, LINQ** to develop a master scheduler and app server. Used **COM Interop** (**RCW**) and **XAML** based **WPF** interface to use existing COM based calculation engine.
* Developed database migration system to support up-gradation of the production database versions. Used XML**, XSD, C# 3.5, Windows Forms, COM Callable Wrapper (CCW), ADO.NET.**

**Achievements**

* Achieved 30% reduction in portfolio analysis time by employing an innovative smart splitting algorithm for optimal distribution of financial calculation tasks in the distributed computing environment.
* Obtained significant reduction in deployment effort of frequent product upgrades and releases for large client base of FactSet product subscribers.

**Environment:** C#, VB6, Activex, COM, Visual Studio 2008, Microsoft .NET Framework 2.0 / 3.0, Windows Forms, WCF, LINQ, Microsoft SQL Server 2005, Microsoft Access, Microsoft VB6, Perforce, Windows XP/2000 server, IIS , MS-VISIO.

**Blue Star InfoTech Ltd., Princeton NJ Sep’04 – Dec’06**

**Senior .Net Consultant**

Blue Star InfoTech is a global IT services and consulting firm spread across North America, Europe, Asia and Africa specializes in product development and service delivery in distributed development environment.

**At Hitachi Medical Corporation, Japan:**

Worked on **Dream** - image processing software used with radiological devices such as MR machines, PET, CT machines. The system consists of a core framework called MMC. MMC has been developed as a highly **object oriented, multi-tier, multi-threaded** system using **C**, **Managed C++**, **C#.NET, VB.NET** and **Remoting**. There are extensions and applications developed on this platform for specific radiological devices like MR (magnetic resonance) machines, PET (Positron Emission Tomography) machines, CT machines, etc.

**At Valassis Communications, USA:**

Worked on NIS - a system to manage the newspaper data and rate information for over 17000 newspapers. This is a migration project for migrating the existing system in Valassis on Powerhouse 4GL to .net platform. The NIS is one of the core applications in the enterprise of over 16-integrated applications implementing different business processes in the organization.

OMS represent a set of services for creating, storing and management of complex orders used in advertisement and media operations in USA and Canada.

**Responsibilities**

* Handled technical leadership for solutions design, implementation, delivery of image processing product and enterprise applications for some of the big customers based out at Japan and North America.
* Collaboration with geographically distributed technical teams and customers to develop complex design solutions and technical resolutions for hi-tech image processing product developed for medical devices such as Ultrasound machines, MRI, PET machines.
* Conducted GAP analysis, designed wire-frames and test plans.
* Led an engineering team for carrying out best practices, conducting technical reviews, evaluating team performance and mentoring for latest technology trends.
* Authored RFP responses, design documents, project plans, effort estimation, functional specs, and use-cases.

**Achievements**

* Received Technical Excellence award for successfully delivering a project within time and budget and rescuing the project from risk of failure when several key members quit in the middle.
* The work done for product-performance improvement was highly appreciated by the Japan based customer.
* Nurtured credibility in managing business and technical stake-holders inside-out.

**Environment:** ASP.NET, VB.NET, C#, UML, XML, VBScript, JavaScript, Microsoft .NET Framework 2.0, .NET Remoting, Web Services, Microsoft Visual Studio 2003, Windows Forms, Web Forms, Microsoft Visio 2000, RUP, ANTS Profiler, .NET Memory Profiler, Rational XDE, Rational Quantify, Microsoft SQL Server 2005, Visual Source Safe 6.0, Windows 2000 Professional, Windows 2000 Server, IIS .

**SV Novel Software, Boston MA Aug’03 – Aug’04**

**Technical Lead**

SV Novel is a trusted Microsoft technology go-to partner company focused on delivering technical consulting services to large enterprise customers for Microsoft Corporation.

**Summary:**

* Interfaced with enterprise customers to troubleshoot technical issues and advised optimized solutions to accelerate their business processes.
* Developed solution prototypes and delivered architecture design sessions in pre-sales engagements to enterprise customers for latest technology products such as **Microsoft SharePoint**.
* Led the project development for enterprise solution developments, customizations and configurations on newer technologies such as Microsoft SharePoint and **Microsoft .NET** in process oriented environment.

**Achievements**

* Demonstrated value of technical solution in a competitive environment to decision-makers of a large public-sector customer which made the biggest competitive deal in the account.

**Environment:** APS.NET, C#, VB.NET, Microsoft SharePoint WebParts, Microsoft SharePoint 2001, STS, Microsoft SharePoint 2003, Microsoft .NET Framework 2.0, Visual Studio 2003, Microsoft SQL Server 2000, Windows XP/2000 server, IIS .

**Megaware Inc, Boston MA Aug’00– Aug’03**

**Softwre Engineer**

Megaware is a leading software products and services company focused on technology solutions for Pharmaceutical, Biotechnology and Life-Science domains.

**Summary:**

* Performed design, implementation and enhancement of scientific data management product in collaboration with subject matter experts, QE department and implementation team spread over multiple countries.
* Developed test cases, scenarios, test plans and execution of functional and regression testing.
* Developed technical prototypes, POCs, and engineering documents.
* Provided training sessions and solution architecture presentation to internal stakeholders.

**Environment:** Visual Basic 6, VC++, Java, JavaScript, XML, ASP, Activex, COM, Oracle, Microsoft Visio 2000, ErWin32, Visual Source Safe, IIS, .

**Mediaware Infotech, India Aug’99– Jun 2000**

**.Net Programmer**

Mediaware Infotech is a leading software company specialized in software products and services for Media and Advertising Industry.

**Summary:**

* Engaged in developing software solutions for end-to-end commercial operations of television channels, media library, media planning, ad campaigns.
* Involved in requirement analysis at customer site, leading development team.
* Delivered technical pre-sales sessions such as architecture design, POC, technical know-how to enterprise clients.

**Achievements**

* Secured the confidence of enterprise customers for providing quick fixes and timely product releases.
* Managed the team integrity at all levels of organization.

**Environment:** Visual Basic 6, ASP, VBScript, JavaScript, XML, Activex, COM, Microsoft Access, Microsoft SQL Server 7.0, Crystal Reports, Microsoft VISIO, ErWin32, Visual Source Safe, IIS, Windows 98.

**VKWARE Systems, India Jun’97– Aug’99**

VKWARE is an emerging software company having software products for education institutes, media and manufacturing industries.

**Software Engineer**

* Developed software programs for products and components.
* Interfaced customers for requirement gathering, solution presentation and product support.

**Achievements**

* Created a dynamic report engine to meet the highly changing reporting requirement of a leading diamond polishing company which helped reduce the report delivery time by 90%.

**Environment:** Visual Basic 5, XML, ASP, Activex, COM, Crystal Reports, Microsoft Access, Microsoft SQL Server, Microsoft Visio, ErWin32, Visual Source Safe, IIS, Windows 95,98 .