PRATEEK GUPTA

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SENIOR DEVELOPER / ARCHITECT on MICRSOFT .NET TECHNOLOGY STACK

Experienced software professional with passion for delivering enterprise solutions using Microsoft Technologies with proven experience in both Greenfield and run-the-bank projects.

Expert in gathering, analyzing and defining business and functional requirements; evaluating possible solutions/tools; architecting solutions/enterprise integrations; code development and delivering successful implementations with view on ROI and time-to-market constraints. *Ratio of hands on development to architecture is 80:20.*

Expertise Highlights

▪ C#, .NET 4.0	▪ LINQ, Reactive Extensions (RX)
▪ WPF, Silverlight, Prism	▪ IOC/DI – Unity, Autofac, StructureMap
▪ MS SQL Server, Sybase SQL Server	▪ Enterprise Search and Content Management
▪ MVC, MVVM, REST/SOAP, SOA	▪ Performance Tuning, Capacity Planning
▪ JavaScript, JQuery, HTML, CSS, Asp.Net	▪ Agile Development Methodologies with Scrum
▪ HTML/5, SPA, Knockout, Grunt, etc.	▪ Async, Multi-threaded, High performance apps
▪ ORM – nHibernate, Entity Framework	▪ Design Patterns

Professional Experience

SOCIETE GENERALE   Sep 2012 – Till Date

Senior Agile Developer aligned with E-Business IT team responsible for development and delivery of projects in the Alpha Multi-Asset Single Dealer Platform. Key responsibilities include requirements analysis and estimation, code development using best practices, 3rd line production support, etc.

Key Projects

- **Alpha – FX RFS/ESP** – FX RFS (Request for Stream) and ESP (Executable Streaming Prices) is a proprietary FX trading section on Alpha, allowing high volume and low latency trading using the highly acclaimed Cube UI. I was involved in designing and improving the RFS and ESP flows and creating a highly scalable stateless blotter.

- **Alpha – Regulatory and Compliance –** Integration of the new Regulatory and compliance requirements for trading in accordance to the new Dodd Frank Act. Provides a checklist when trading with clients or on behalf of clients to ensure all requirements of DFA and Pre-Trade Mid-Market Mark are met. I worked on incorporating the DFA checklist and UI on the FX platform.

- **Alpha – Structured Products –** Alpha SP allows clients to create custom products on industry standard semi-structured products. Clients can also trade on existing products provisioned earlier. I have worked on the UI section and trade workflows for SP.

- **Alpha – HTML Client** – A new project has been provisioned for Alpha to be made available on mobile and tablet platforms. Also, pilot for migration to HTML has been started. I am involved in building and integrating a SOA platform using web standard HTPP REST architecture that is used for both mobile and html platforms. Delivered a responsive mobile/tablet web application using Html, Knockout, JQuery, and Bootstrap on client with Asp.Net Web-API REST architecture on server side integrating with existing downstream middleware (Nirvana) and services.

Technologies and Processes –Agile/Scrum with three week sprints. Silverlight / HTML (JS) UI using MVVM framework. Nirvana messaging layer with Windows Services and REST based API using C#. New generation web platform is being developed using Html/5, JavaScript frameworks.

MORGAN STANLEY

Architect and developer in Content and Knowledge Management space; Implemented end-to-end Content/Web/Document Management Solutions (CMS, WMS, DMS) based on SOA framework and RIA technologies for multiple business units. Experience in SharePoint integration with ASP.NET and Silverlight applications, as well as developing WPF based rich desktop applications.

Key Projects

- **Matrix (2011-2012) -** Matrix is the new generation RIA portal for Equities, Fixed Income and Research clients to access research reports, commentaries, charts, analytics, etc. I was involved in working as part of middle and back office teams to deliver the required business functionality. Development methodology used in Matrix is **Agile/Scrum** with 2 weeks and 6 weeks iteration cycles for urgent fixes and projects respectively.

  o My role involved designing, developing and implementing a workflow for content creation using Outlook and Word and then transforming that content to be searchable and viewable on web. This was developed in WPF on the UI and multithreaded Windows Services on middle tier. Development methodology was **Agile/Scrum** and Technologies involved were **WPF, Windows Services, Office/VBA.**

  o In addition, I was responsible for delivering and maintaining a SOA platform for enterprise search, usage logging and research content integration. This would build over the existing KMS platform created as part of the earlier project. Technologies used were **.NET, C#, WCF/REST, Silverlight, Autonomy Idol & Multi-threaded console apps**.

- **Connect (2010-2011) –** Connect is a collaboration tool for Institutional Equities Division providing the trading desks a unified view of all the relevant information on research, ideas, reports, market data, etc. at a glance. Developed using **Silverlight 4.0 (with Prism and Unity based MVVM framework)** for UI, SharePoint 2007 for middle tier and Autonomy IDOL for enterprise search, the application also features real-time push notifications from server to client using Light streamer. My role in this application was senior developer on Silverlight UI. The project was executed initially using the Waterfall project development methodology and then moved over to Agile/Scrum after initial phase 1 delivery.

- **KMS (2005-2012) -** KMS (Knowledge Management Services) is a SOA implementation to provide enterprise search on research reports published in the firm. It manages the entire Information Life-cycle Management for research reports published in the firm in addition to consuming reports from external third party systems.

  o KMS was built on **.NET 3.5 WCF** at the core utilizing the WCF-REST framework to deliver Restful XML over HTTP services platform. It also uses **Sybase, Autonomy IDOL,** and **NHibernate**. KMS administration utilities were developed using **Silverlight**. **Continuous integration** was achieved with the help of **Electric Commander**. Extensive **distributed caching** was achieved with help of **MemCached** caching layer and custom memcache client.

  o Additionally, KMS consists of a suite of **ASP.NET** applications acting as the front-end; each application tailored for a specific business unit. These were built using **ASP.NET WebForms, ASP.NET MVC, JQuery, JavaScript**, etc.

  o I was involved in the initial stages of the project as Technical Architect and then as Senior Developer in ASP.NET and WCF space. KMS supports more than **50K users** within the firm as well as a huge number of external clients. **Agile methodology** using **Scrum** was the chosen development methodology used with 4 weeks sprints.

COMPUTER SCIENCES CORPORATION (CSC)   **2003 to 2005**

Lead and managed two projects with team sizes ranging from 4 to 20 resources. Mentor for *Innovators @ Work* and senior developer on .NET in the GTS division.

Key Projects:

- **WSM –** World Sourcing Manager was an internal project to help plan, budget, bill and invoice development and maintenance projects in CSC. Used by both senior management internally and clients to forecast and track projects and manpower usage. My role in the project was of senior developer in ASP.NET and SQL. I was also responsible for estimation and delivery of tasks.

- **Sears Remediation Project –** This project consisted of porting old Sears's applications (on legacy technologies like Access 1.0, Windows 3.1, etc.) to new technologies and operating systems. The process involved migrating more than 200 applications on newer and stable technologies. My role consisted of analysis, requirements gathering, planning, development and delivery management with a team of 20 resources.

HCL TECHNOLOGIES LTD   **2000 to 2003**

Senior software engineer for projects related to financial industry and supply chain management. Worked on diverse technologies like PowerBuilder, Oracle/SQL Server, ASP, VB, and COM.

Key Projects:

- **Collins Stewart Quest –** http://www.csquest.com was developed for Collins Stewart Limited in London to streamline the process of delivering proprietary valuations, analytics and commentaries to clients and customers. It was developed using classic ASP, COM and SQL Server using n-Tier reusable components. My role consisted of understanding business requirements, creating development plan, architecting the solution, coding and implementation in London datacenter. Received the Star Performer of the Year award for the same in 2002.

- **EXE Technologies Limited –** EXE Technologies was a market leader in inventory management and supply chain systems. I was involved in the development of a new web based system called Exceed 2000 using VB, ASP and COM interfacing with existing middle tier and back-end systems. I also provided implementation and support for the same to clients in Malaysia.

RSD SOFTWARE SERVICES   **1999 to 2000**

Developer for Jaquar MIS project on VB, COM, Crystal Reports and SQL Server

- **Jaquar MIS –** This project was an upgrade for the existing FoxBASE based system for managing inventory, sales, invoicing and marketing. I was involved in understanding the existing system and developing a new stable application using VB and SQL Server. I was also responsible for implementing the application and training the users in various branches of Jaquar across India.

Education

CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING, INDIA
Post Graduate Diploma in Advanced Computing, 1998-1999

DAYALBAGH EDUCATIONAL INSTITUTE, INDIA
Bachelor of Engineering, 1994-1998

Disclosures

- Tier 1 UK Work Permit holder – Valid till May 2016

- References available on request