**Career Summary**

* 7+ years of software development / ASP.NET programming experience following SDLC
* Recent experience of solution design and delivery for major financial institutions
* Hands-on experience of Greenfield SOA and enterprise applications
* Written and maintained very large code bases
* Working experience in Scrum and Agile development process
* Excellent understanding of database optimization and internal algorithms
* Experienced working in culturally and geographically diverse project teams

**Languages & Technologies**

* C#, .NET 4.5, LINQ, WinForms, MVC4, WPF, WCF, MSMQ, nServiceBus, Amazon AWS
* nHibernate, Linq, Entity Framework, MS Sharepoint, Castle Framework, Web Services, nUnit, nAnt
* JavaScript, HTML5, AJAX, jQuery, jQuery mobile, CSS, XML, XSL Technologies
* SQL, PL/SQL, T-SQL, SSIS, PLpgSQL
* SQL Server 2008, Oracle 10g, 11g RAC, MySQL, PostgreSQL, MongoDB
* Windows 2008 R3 Clusters
* C/C++, VC++, Boost, Linux
* Subversion, CVS, Cruise Control, TFS

**Practical Experience**

**Fiserv – Senior .NET MVC Consultant (Mar 2013 to Jan 2014)**

I am working for Fiserv consulting on the Westpac OTP project customizing the Voyager and Corillian banking software products for Westpac Banking Corporation. This is a $500M+ project, the largest financial project in southern hemisphere, spanning over a few years currently in its second phase of release which will completely transform the online banking experience for Westpac retail customers.

Role: Development Consultant

Technologies: C#, .NET 4, ASP.NET MVC4, jQuery, knockout JS, SQL Server 2012, WPF, WCF, TFS, Powershell

I worked on the development of banking operations like payment processing, accounts maintenance, personal information, international payments, currency conversion, multifactor authentication

**Australian Securities Exchange – Senior .NET Consultant (May 2012 to Mar 2013)**

ASX is a multi-asset class, vertically integrated exchange group, ranked second largest in the world by market capitalization. I am working in settlement and clearing technology group as Development Consultant for the new centralized Collateral Management System. ASX will provide a centralized collateral management service (“ASX Collateral”) that will leverage existing technology provided by Clearstream Banking SA, to facilitate the allocation of cheapest acceptable collateral for a repurchase agreement (“repo”), for exposure management or for short term funding purposes across an array of bilateral agreements and counterparties.

Role: Development Consultant

Technologies: C#, .NET 4, jQuery, SQL Server 2012, Entity Framework, WPF, WCF, TFS

CMS or Collateral management system is a 7+ million dollar project integrating currently available settlement systems (EXIGO) and CHESS in Australian financial market with Clearstream CmaX.

* Connectivity with clearing and settlement systems
* Liaison with business analysts to understand the functionality
* Writing technical specifications for the integration modules
* Developing web services according to existing standards and frameworks
* Writing stored procedures for MS SQL Server 2008
* Development of WPF based reporting applications for daily transactions and settlement instructions
* Development of WPF based monitoring applications for settlement instructions

**Challenger Financial Services Group – Senior .NET Developer (Oct 2011 to May 2012)**

Established in 1985, Challenger Limited is an ASX listed investment management firm with total assets under management approaching $50 billion.

Role: Development Consultant MS Technologies

Technologies: ASP.NET WebForms, MVC 3, .NET 4, SQL Server 2008, nHibernate, WPF, WCF, nServiceBus, JS/jQuery/AJAX, Powershell

Worked on the architecture of Challenger Online Application including Advisers/Investors interfaces and Web Service based Integration of IRESS xPLAN advisory software. The project is a complete rebuild of existing enterprise systems and user interfaces.

* Worked with business analysts to gather requirements and document them
* Implemented enterprise level security across all systems using windows identity foundation
* Designed the database integration services implementing NCache for performance
* Rolled out nServiceBus for reliable messaging based integration
* Developed SSIS packages to integrate SQL Server 2008 databases
* TeamCity Build Management, MSBUild, Powershell

**VioCorp –** Senior Software Engineer (Mar 2010 to Oct 2011)

VioCorp develops and markets products for the production and distribution of digital media over a wide range of devices. I worked as part of the design and development team for VioAd; a Greenfield project to build a high volume server class product which enables serving millions of context-sensitive image and video advertisements per day. My responsibilities include writing code, designing features and maintenance of the product which is now involved in multi-million dollars deployments for Accenture and Channel 7. The product is currently serving 3 million requests per day on individual deployments. Some of the clients include Accenture, Deloitte Singapore, MediaPrima, Sydney Opera House and First Digital.

Role: Senior Developer, Designer and Code Reviewer

Technologies: .NET 4.0, C#, ASP.NET, Linq, XML, XSL, SQL Server 2008, nHibernate and FluentNHibernate, MSMQ, nServiceBus, Castle Windsor, WCF, xUnit, nAnt, MVC 3.0, jQuery, jQuery mobile, SQL Server 2008, MongoDB

* Client interaction with Accenture and IBM
* Developed nServiceBus and MSMQ based application services using .NET 4
* Developed ASP.NET based web application frontend
* Developed mobile frontend for the MVC application
* Built WCF services in .NET 4 for HTTP and TCP protocols
* Providing code reviews and mentoring junior team members
* Writing unit test cases using xUnit
* Database optimizations and nhibernate profiling
* Build management using Cruise control and nAnt scripts
* Developed an intelligent optimization engine to run custom queries across a number of MongoDB instances
* Provided real time reporting of displayed advertisements
* Developed deployment scripts for Windows Server 2008 R2 HA clusters

**Fujitsu Australia –** Development Consultant (Sep 2009 to Feb 2010)

FAST (Fujitsu Australia Software Technology) was the first Fujitsu software development company established outside of Japan. Since 1989, FAST has been developing applications using the most advanced technologies of the day to enhance the business operations of organizations in Japan, Australia & New Zealand. Fujitsu has forged a strong relationship with the open source community to further the promotion and adoption of PostgreSQL and has directly contributed to PostgreSQL by sponsoring a number of key database features designed to enhance its enterprise-readiness.

Role: Development Engineer

Technologies: PostgreSQL, C++, C# .NET 2.0

I contracted to Fujitsu for a .NET consulting and migration project for one of the clients. I provided .NET and PostgreSQL database development expertise in a consulting capacity.

**DES Pty Ltd Australia –** Software Developer (Mar 2008 to Sep 2009)

DES PTY LTD develops leading web based project management software for the construction industry. The product is now running projects worth of several billion dollars collectively by Baulderstone, Westfield and Abi Group.

**ProjectCentre.net**

Role: Systems Analyst and Developer

Technologies: MS .NET 2.0, ASP.NET WebForms, C#, MS Sharepoint, XML, XSL, Oracle, PostgreSQL, nHibernate, Castle Framework, Web Services, jQuery, nUnit

ProjectCentre.net is the project management software designed in .NET running Oracle and PostgreSQL database servers at the backend. It is a complete BPM solution for the construction industry automating all business processes. I was involved in design and development of new features and extending the product to support the new scaled infrastructure. The product has been built using MS .NET 2.0 with DI/IoC framework.

* Worked with NHibernate to develop the data access layer
* Developed RSS XML generator and reader for several document activities
* Developed database schema for different application modules
* Worked with Castle Windsor container to integrate services and data access layers
* Wrote and maintained developer level integration and unit test cases using NUnit
* Developed MS Sharepoint MOSS integration modules
* Oracle PL/SQL and performance optimizations

**EnterpriseDB Corporation –** Software Engineer (Jan 2005 to Mar 2008)

EnterpriseDB Corporation is a USA based database software development firm which develops and supports EnterpriseDB Advanced Server, an enterprise-class relational database management system (RDBMS) that is built on PostgreSQL and compatible with Oracle. The software has won The Best Database Award at LinuxWorld for three consecutive years. As part of the design and development team, I have worked on a number of projects in various technologies. The product is being used by blue chip clients like NTT Japan, Sony Online, Hi5 Networks and IBM.

**Distributed Query Framework**

Role: Lead Engineer / Developer

Technologies: Oracle, PostgreSQL, SQL, PL/SQL, C++

Distributed Query Framework implements a distributed query planner and an executor which enables an EnterpriseDB user to fetch data from multiple data nodes connected through a network without changing the basic structure of the SQL query. The framework supports access of data residing on heterogeneous database servers like Oracle, PostgreSQL and EnterpriseDB database servers and that in a single query.

**.NET Data Provider for EnterpriseDB**

Role: Engineer / Developer

Technologies: C# .NET, PostgreSQL

Data Provider for EnterpriseDB comprises of feature enhancements and extensions in PostgreSQL .NET driver. The features include CURSORS, REF CURSORS, IN/OUT parameters and Callable Statements. The EnterpriseDB data provider is continuously updated and merged with the latest PostgreSQL driver.

**Publications**

Imad Hashmi, Muhammad Abdul Qadir, Muhib-ur-Rehman Rehman, "A Hybrid UDP-TCP (RHUT) Protocol for Data Replication," jva, pp. 98-106, IEEE John Vincent Atanasoff 2006 International Symposium on Modern Computing (JVA'06), 2006.

**Scholastics Profile**

M EngSc  
University of New South Wales, Sydney Australia

BS (Computer Sciences, Mathematics)   
M. A. Jinnah University Karachi

**Teaching Assistant at University during BS Program**

* Programming in C++, Objects Orientation
* Network Programming in JAVA, RMI, CORBA, Implementing Servlets, using JDBC and XML
* Operating Systems in C, Working with Multi Threading, Process Synchronization, IPC.

**Awards and Scholarships**

* Won Merit Scholarships in SSC and HSSC examinations.
* Merit scholarship of M. A. Jinnah University throughout the BS Program and remained in Honors List