**Raj Chandrawat**

Alexandria, VA 22311 (active public trust clearance)

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***Senior .NET Developer (.NET, SQL Server, AWS) Profile***

***Senior .NET Developer*** *with AWS certifications and expertise developing Web, Windows and Cloud applications.*

Offer unique and varied technical background, including expertise in full-stack .NET application design and development, relational database design, development and administration, AWS and myriad other areas. Experience with large cloud environments such as AWS with understanding of big data and data science concepts; hold two Amazon certifications. Skilled at developing Web forms & WinForms based, data-driven applications and solutions using .NET and SQL Server. Optimize database and application performance, automate routine processes, and ensure high levels of availability. Provide leadership and guidance to teams of developers and database support staff.

**Core Competencies:**

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| * + SQL Database Design, Develop. & Admin.   + Database Admin. & Performance Tuning   + Data Analysis, Reporting and Migration   + Administer SSRS, TFS & SharePoint | * + Full Stack .NET Application Design Develop.   + Full Software Develop. Life Cycle (SDLC)   + Object Oriented Design & Programming   + Great interpersonal & communications skills |

**Technical Proficiencies**

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| **Certifications:** | **Amazon Certified Solutions Architect, Amazon Certified Developer Associate** |
| **Programming Languages:** | ASP.NET/C#.NET, T-SQL, Python, LINQ, C++, Design Patterns, Dependency Injection. |
| **Web Technologies:** | HTML/CSS/JavaScript, jQuery, JSON, AJAX, AngularJS, Bootstrap, WCF, Web Services, XML, XSLT, SOAP, WSDL, |
| **Web Application Architecture:** | 3-tier architecture, Service Oriented Architecture(SOA), RESTful Web API, ASP.NET MVC |
| **Development Environments:** | Visual Studio, SQL Server Management Studio (SSMS), SQL Server Data Tools (SSDT), |
| **Database Programming:** | T-SQL, Stored Procedures, Views, Functions, Triggers, Constraints, Dynamic SQL |
| **Databases:** | DBA for MS SQL Server 2005-2016(w/ SSRS, SSIS), TFS, Reports, SharePoint DBs |
| **Data Migration/Integration:** | SSIS, Legacy DTS |
| **Version Control:** | Admin Team Foundation Server(TFS), SharePoint, Visual Source Safe |

**Professional Experience**

US Department of Agriculture(USDA), Alexandria, VA

**Sr. Software Developer/Architect**, 04/2013 – Present

*Environment: .NET web development -Visual Studio, SQL Server design, development- SSMS, SSRS, SQL Server Profiler, Database Engine Tuning Advisor. ASP.NET, C#.NET, HTML, CSS, JavaScript, jQuery, SSRS reports, Team Foundation Server & SharePoint.*

**Worked as a lead full stack .NET developer on a highly critical government project named FPRS (Food Program Reporting System) for USDA/FNS.** Served primarily as Sr. Net web Software Developer with additional responsibilities as SQL Server DBA. As a senior .NET developer, I designed, developed, tested and maintained various web and windows applications. Also, administered and managed SQL Server, Visual Studio Team Foundation Server (TFS), SharePoint & SSRS Reports sites. Did Install, configure, update, manage SQL instances, migrate SQL Server databases, developed hundreds of tables, stored procedures (SPs), and user defined functions (UDFs).

*Key Achievements:*

* Worked as a Sr. .NET developer on mission critical Govt. reporting project FPRS for USDA/FNS
* Designed, developed & enhanced various components of 3-tier FPRS web app (.NET full stack); involving in all stages of Software Development Life Cycle (SDLC) following agile/scrum methodologies
* Improved existing security module in FPRS, by implementing multi-location, cross-regional reporting capability for state agencies, nationwide
* Implemented BI, Data Access Layer (DAL); used ADO.NET, C# abstract classes, interfaces, static classes & inheritance
* Performed unit testing of modules coded, did code review, and assisted in integration testing
* Migrated websites & databases to new virtual servers; upgraded FPRS from .NET Framework 3.5 to 4.0->4.5->4.7. Upgraded DBs from SQL Server 2005->2008R2->SQL2012->SQL2016. Documented.
* Improved .NET web services (.asmx) to achieve robust & seamless data transfer from external agency. Published and Consumed new WCF services(.svc) for inter-apps data transfer
* Used JavaScript, jQuery and AngularJS for client-side validation. Used various ADO.NET objects
* Extensively used TFS & SharePoint for source control, versioning, cross-teams document library.
* Authored SQL server stored procedures, functions, views, triggers, cursors, indexes, constraints
* Took over additional role as a DBA; supported ~20 SQL instances, ensured 100% up time for Production
* Migrated SQL Server databases from 32-bit architecture to 64-bit servers within one week
* Implemented DR solutions; slashed DR time from 2 hrs. to 15 mins leveraging transaction log backups
* Administered TFS, automated TFS backup & DR, Integrated SSRS & SharePoint portals with TFS, developed critical SSRS reports, assisted in design of custom work items (LoE gather)
* Performed DB performance tuning & indexing; used SQL Profiler and engine tuning-advisor
* Participated in CMMI appraisal process; gained experience in process management areas

Stilwell and Associates of the USA, Inc.

**Sr. Software Developer**, 7/2010 – 4/2013

*Environment: .NET Framework, WinForms, ASP/C#/ADO.NET, T-SQL, LINQ, SQL Server, SSRS, SSIS, VB6*

Senior .NET Developer (WinForms), secondary responsibility as SQL Database Developer and Integration Engineer (SSIS). Administered and developed various SQL DBs. Provided technical support to clients via phone & Web conferences. Contributed to project design process.

*Key Achievements:*

* Served as a lead developer for project Lockout-Tagout, a hugely popular app used by many industries nationwide to assist in their lockout-tagout procedures
* Implemented abstract classes and interfaces required for business logic layer in C#.NET, achieving reusable code
* Followed OOAD, OOP Design Patterns and SOLID principles to implement a loosely coupled & easy to maintain business logic in C#.NET WinForms
* Served as a lead developer throughout all stages of the SDLC; Designed, developed, tested and troubleshot .NET WinForms applications and its reusable components
* Extensively used LINQ, LINQ-to-SQL and Entity Framework
* Led team of developers migrating applications from VB6 to .NET; new version eliminated numerous bugs, improved user experience, attracted more customers, and led to lucrative business sale
* Developed data migration tools using SSIS to assist in migration of extremely large quantities of data

Care-a-lot Pet Supply, Norfolk, VA

**Web Developer**, 7/2009 – 7/2010

*Environment: .NET Framework, Visual Studio, T-SQL, SQL Server(SSMS), Object Oriented Programming, SSRS, Crystal Reports*

Performed .NET and SQL Server development on high-profile projects for ecommerce applications and Web applications used by government agencies.

*Key Achievements:*

* Performed hands-on design and developed interactive, data-driven, dynamic, n-tier Web applications in .NET using Object-Oriented Analysis, Design and Programming skills; used SOLID principles and design patterns.
* Developed numerous .NET Windows Forms applications including soon-to-be popular app 'PriceChecker' for inventory, to facilitate buyers in quickly scanning product-prices in stores, avoiding long waiting queues.
* Improved existing enterprise reporting solutions many folds, by migrating Crystal Reports to MS SSRS 2005.
* Implemented enhancements to Warehouse Management System and maintained/supported inventory Web sites.
* Used .NET, Crystal Reports, and SSRS to develop reporting applications.

Old Dominion University, Norfolk, VA

**Web and Database Programmer**, 8/2006 – 7/2009

*Environment: .NET, T-SQL, SQL Server, C++, Object Oriented Programming (OOP)*

* Served as a junior Web developer in university research lab, participating in multiple software projects.
* Great opportunity wherein I put into practice the computer science theory knowledge. Leveraged in-depth knowledge of algorithms, data-structures, search & sort, tree & graph, object oriented programming concepts and critical thinking skills to design complex programming tasks.
* Involved in software development life cycle, from design to development, to testing and deployment.
* Assisted professor in maintaining course Web site and Web board, as well as with preparing instructional material.
* Provided technical support to students in programming research laboratory.

Dilip Oak’s Academy, Pune, India

**Software Engineer(.NET)**, 7/2003 – 12/2005

*Environment: ASP/C#.NET, SQL Database*

Gathered and analyzed project requirements. Designed robust and dynamic Web applications, developed and maintained databases, and built, tested, and maintained infrastructure and ecommerce tools/capabilities.

Tata Business Support Services, Ltd., Pune, India

**Technical Support Executive (Part time),** 4/2005 – 12/2005

Provided technical support for India’s leading Business Process Outsourcing (BPO) company. Honed communication and team collaboration skills.

**Education and Credentials**

**Master of Science in Computer Science, 3.5,** Old Dominion University, Norfolk, Virginia

**Bachelor of Engineering in Information Technology, 3.75,** Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, India