

Raju Venkataraman
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Professional Summary:

I am passionate about learning, focus on continuous improvement and being a team player. I have over 10+ years of experience with RDBMS Systems and 4 years of experience in Cassandra, Mongo DB and RIAK. I am looking for opportunities to provide value for the team through my expertise in data realm and being a team player.

- ✚ Over 10+ years of Software Industry Experience across multiple verticals.
- ✚ Experience in Domain Driven Design, Architecture and Development.
- ✚ Expertise in RDBMS, ANSI SQL, database design concepts and working knowledge of all facets of SQL Server 2012 ,SQL Server 2000/SQL Server 2005/SQL Server 2008 focusing on Database design, Replication, Mirroring, Monitoring, Performance Tuning and In-place upgrades, SQL Agent Jobs and DTS/SSIS Packages.
- ✚ Experience in finding the right solution for the enterprise data problems including High Availability, Scalability, Network latency and throughput.
- ✚ Experience with MongoDB, Cassandra , RIAK and familiarity with other NOSQL Technologies.
- ✚ Development experience in open source technology including PHP, CentOS, Linux and MySQL.
- ✚ Experience with build and deployment automation tools like Jenkins, Chef
- ✚ Experience in setting up EC2 Cluster, managing EC2 nodes, Amazon RDS, running website from Amazon EC2 Cloud.
- ✚ Proven expertise in Troubleshooting, Problem Solving, and Analytical Skills with can-do positive attitude.
- ✚ Working knowledge of Lean systems, Continuous Improvement Quality Concepts, Kaizen Methods and Implementation of 6 Sigma Process.
- ✚ Regularly participate in NOSQL Forum, NO SQL Meet-ups and contribute to the community.
- ✚ Good Knowledge of Windows Power Shell Scripting and Batch file scripting, Automated testing of several Databases.
- ✚ Good knowledge in TFS/VSTS for Test Driven Development.
- ✚ Very good understanding of the Software Development Life Cycle, Extreme Programming, Agile Development Methodology, Scrum Methodology and various other development and QA Methodologies

Technical Skills:

- ✚ **OS/Servers:** Mac OSX, CentOS ,Linux, Windows Server 2012 / 2008 , Windows Server 2003,Win XP, Windows 2000, Windows 9x Servers , Windows Server 2003, Virtual Server
- ✚ **Database Systems:** MS SQL Server 2000,SQL SERVER 2005,SQL Server 2008,SQL Server 2012 ,Oracle, Cassandra, RIAK ,MongoDB , MySQL
- ✚ **Modeling Tools:** Microsoft Visio, Sybase Power Designer
- ✚ **SQL Server Tools:** Replication Monitor ,Profiler ,SQL Publishing Wizard, SQLCMD, OSQL, SSIS, Reporting Services, SQL Server Configuration Management Tools, SQL Server Execution Plans, Index Tuning Wizard, Powershell, DTS Packages
- ✚ **Programming Languages:** PHP , VB.NET, C# , C ,ASP,.Net framework , Command Line Batch files Scripting, XML, VB Scripting, Java Script, and HTML
- ✚ **Software Testing Tools:** LoadRunner,HP Performance Center , NimSoft , NUnit, ACT for Performance Testing-Unit 2.2.2, Automated Testing–Test Complete 3.0, Load Testing, Microsoft Web Application Stress Tool, DBNUnit.
- ✚ **Related Courses:** Statistical Process Control, Design of Experiments, Total Quality Management, Operations Research, DBMS, RDBMS and Agile Database Development Methods, Six sigma Process Control.

**Other Tools:**

ACT for Performance Testing-Unit 2.2.2, Automated Testing–Test Complete 3.0, Load Testing, Microsoft Web Application Stress Tool, DBNUnit, Fiddler, Http Watch, PerfMon, SQLCOP,Remedy Change Management Tool.

**Web Servers:**

NIGINX, APACHE, IIS

Database Architect
eMetric LLC
San Antonio
TX-78232

May 2014–Till Date

Contribution:

Design, Develop and Architect Data Systems to support High Availability and Scalability.
 Road Map and Capacity Planning.
 Architect Database Cloud Migration Strategy and Execute on Cloud Migration.
 Architect Server Consolidation and Execute on it.
 Mentoring and creating best practices guidelines to support current and future projects and business needs.
 Collaborating with teams across geographies to achieve business and development goals.
 Performance tuning
 Automation of Database Related Maintenance and Monitoring tasks.
 Baseline, Benchmark and Trending Analysis.
 Evaluating different Products pros/cons to suit our business and data needs.
 Load Testing to estimate system capacity and failover points.
 Cross Team Collaboration and Evangelizing best practices and Products.
 Mirroring, Replication, Log Shipping strategies for High Availability and Disaster Recovery.

Technology:

.NET, SQL Server 2005/SQL Server 2008 , Cassandra , Jenkins , AWS , EC2 ,MySQL , NGINX, IIS,Apache, Ubuntu, RedHat ,Powershell

Software Engineer/Senior Data Engineer
Expedia Inc
Bellevue WA 98005

Dec 2006 –April 2014

Over past 7 years, I have been working on several projects primarily focusing on Application layer, Database Design, Development, Environment Maintenance, Troubleshooting, Configuration Management and Point of sale development. I have contributed to the project success with Interpersonal, leadership qualities combined with Technical skills.

List of Projects:**Expedia Affiliate Network**

We expose our hotels inventory through API for our partners. We have white label solution with B2C Business Model.

Contribution:

We have divided our data into Transactional and Non-Transactional buckets and moved the Non Transactional data into Cassandra Data Store.
 Setup and maintained Cassandra EC2 cluster and supported the Data needs of our Team. Automated Data Transfer processes to Cassandra Cluster.

Technology:

Java, SQL Server 2005/SQL Server 2008 , Cassandra , CHEF, Jenkins , AWS , EC2

Destination Services / Local Expert:

Develop White label, private label and API Solutions for search and book activities and provide interface for supply and content management.
 Provide API for our white label partners to access our inventory and provide access and tools to our supply partners to feed and manage inventory.

Contribution:

Involved in Planning, Architecture, Evaluation, Design and Development.
 Involved in API Development to support B2B Partners.
 We have customers from across the world including F1,Air Asia Go , Spainbookers and Hotwire.
 Contributed to all aspects of product development and met crucial deadlines for partner and business needs.
 Multi language and multi currency support is provided through this API.

Technology:

JSON API Support, PHP , Mongo DB, MySQL , XML , SOAP RPC ,jQuery, JavaScript , SQL Server

Optimize Phone Field Form:

This project enhances the user experience to input the Country Name, Country Code and Phone Number

Contribution:

Design, Develop, Deploy and support all Database related work for this Project. This involved creating IPU (In-place upgrade) package and deploying it in various environments and troubleshooting Replication Related issues. We had complex replication topology supporting millions of transactions.

Recreated the production like replication topology in test environment and verified the deployment of IPU Package. Optimized Stored procedure performance through SQL Server profiler traces, Execution Plan and SQL Server statistics.

MSN Passport Sunset Project:

This project involved retiring Passport login option for Expedia users to improve the code maintenance cost.

Contribution:

Design, Develop, Deploy and support all Database related work for this Project.
Created stored procedure and did comprehensive performance analysis and optimized it. This stored procedure gets called ~20-30 Thousand hits per minute. Worked and Collaborated with Several other teams across multiple OU's for Project success.

Build AARP Point of Sale:

This project involved building new point of sale for AARP Travel.

Contribution:

Delivered AARP project on time with highest quality with rapid delivery time.
Worked with business closely to get ever changing requirements in order to meet the project deliverables and tight schedule.
Delivered the project with zero priority 1 Bugs.
Consistently updated business owners and project team about development status.
Investigated various aspects of DRR's and applied AARP Specific DRR's to approx ~9K hotels.

DAC Role Contribution:

Acted as DAC (Dev Access Coordinator) for several releases and provided support and guidance for various issues and troubleshooted various environments.
Provided continuous support for troubleshooting environment and configuration related issues.
Resolved pre-production/RC Environment configuration issues with TCM Rules for various TPOS and Account creation for AARP POS.
Investigated several test environment issues, live site issues and provided support for fixing those issues.

Tools Development:

Contributed and Designed the Configuration database and provided logical separation of objects using 2005 SQL Sever schemas.
Developed various stored procedures and designed tables to support configuration Tool.
Developed and implemented the DTS Package to extract lodging related data from NRT Tables and export the tab de-limited file to FTP Share.
Set up SQL Jobs to backup several Tools databases on daily basis to secure share.
Developed Sitesup SQL Runner Tool which helps us to bring the Data to current state with production. Our production backups are about a month or two old. Using this Tool, we can run the scripts for multiple hot fix dates in any given server and Database and bring the database on par with production which helps to minimize the down time and improves the quality.

Enable Flights and Packages for Scandinavian / Belgium/Ireland Points of Sale:

Collaborated with Business, Air Team, Fulfillment Team and LCC Partners and resolved issues in timely fashion.
Delivered the project on schedule with Zero Sev 1 Bugs.

Sitesup Co-coordinator Role:

This involves reviewing SQL Submitted by several other developers including offshore team. Sitesup'ed about 15K lines of SQL to Production each week to support several business functions.
Regularly caught sitesup errors in the final review stage.
Made and recommended improvements to SQL Queries submitted by other Developers.

Data Analyst /Software Quality Lead
OnTargetJobs Inc
Englewood, CO

Oct 2006 - Dec 2006

Project : New Platform for OTJ Consolidation

OntargetJobs Inc is having multiple Job Postings and Careers Sites which focuses on the Finance, Health Care, Hospitality and Insurance Verticals. Currently each career site is having the separate Database and Code Base. In the new platform, we are consolidating all the databases and offering web services to drive the careers sites.

Technology :

ASP.Net based Web services developed in C#
Windows Server 2003, SQL Server 2005
Visual Source Safe, IIS 6.0, Visual Studio Team Systems 2005, Share Point Server,
SQL Server Notification Services, WSDL, XML, XLST Transformations,
WSE 3.0

Contribution :

Participate and contribute to the Product design specifications, architecture and Tools and Technology Selection.
Perform Security, Functional Design review of Web Services.
Verify the Web Services security using X.509 Certificates.
Use VSTS for extensive Test Driven Development.
Develop the Build and Deployment strategies
Develop and review the Database Design Standards
Develop Web Services Testing harness tools

Develop the Stored Procedures and participate in the code review.
Measure the Performance difference between C# Stored Procedures and T-SQL Stored Procedures.
Train others about the System Architecture and design, development and test standards.

Microsoft Corporation
Redmon, WA

June 2005-- Sep 2006

Project : Security Software Advisor

Software Security Advisor is an online .Net-based portal bringing worldwide Microsoft partners together to facilitate the Sales of Security Related Products through Microsoft Partner Channel. This application interacts with the LIR (License Information Repository) to extract the Sale Data and EMUODS Data source to extract the Partner Data. We match the Partner Sales Data with Customer Information and provide additional revenue for the Partners.

Technology:

Web based .NET Application using C#, Source Depot, Windows 2003 Server, I IS 6.0 and SQL Server 2005

Project: Microsoft Partner Channel Builder and Microsoft Solution Profiler

Microsoft Corporation Partner Channel Builder is an online .Net-based portal bringing worldwide Microsoft partners together to facilitate the creation of channel relationships amongst them. These ISVs, Systems Integrators, Resellers and other partners represent valuable opportunities to one another.

Technology:

Web based .NET Application using C#, Source safe, Windows 2003 Server, I IS 6.0, SQL Server 2000, SQL Server 2005, Share Point Server and Exchange server

Project: Partner Relationship Management/Opportunity Management (OM/PRM)

Portal for Microsoft Internal Users and Partners to Manage the Partner Profile and Co-ordinate the worldwide opportunity assignment. It lets the Partners to manage their profiles and Internal Users to Control the Opportunity assignment for the partners in various subsidiaries.

Technology:

Web based .NET Application using C#, Source safe, Windows 2003 Server, IIS 6.0, SQL Server 2000, SQL Server 2005, Share Point Server and Exchange server

SAFECO Corporation
Seattle, WA

Jan 2005-May 2005

Project: Commercial Multiperil Policy

Web based application for issuing online quote for commercial establishments. This is done by the **AUP** (Automated Underwriter Policy) and COM Line. Details about the commercial establishments like number of locations, Number of employees, Required Liability Limits, Fire Coverage Limits, etc are entered into the application. Then Input XML file is created using these details and the data is transferred to the Mainframe. The Mainframe sends the Policy XML to the application with Policy Details.

Technology:

Web based .NET Application using C#, Mainframe IBM AS/400, Visio Source Safe, Windows 2003 Server, IIS 6.0, SQL Server 2000, BizTalk Server, Share point

iLink Systems
Bellevue, WA

Title: Software Engineer

Contribution:

Code coverage and Branch coverage testing
Creating test plans, test cases, automated test scripts
Performance comparisons for various builds of the application
Triage bugs to prioritize issues based on priority, severity and business needs.
Anticipate and address project obstacles, coordinate meetings for issue resolution and escalation.
Automated UI Testing using Test Complete 3.0

Project: Charge Capture Application

The application is web-based charge capture application developed in ASP .NET and SQL Server 2000. This application allows the physicians working in hospitals in Pacific Northwest area to enter the patient information and the diagnosis and charge information about the patients.

Technology:

Web based .NET Application using C#, Windows 2003 Server, IIS 6.0, SQL Server 2000, BizTalk Server, HIPAA Accelerator, Test Complete 3.0, Share point

Client: Propinquity Software (<http://propinquity.net>)

Title: Software Engineer

Project: Web-based EMR

Propinquity software is a web-based Electronic Medical Record system used to keep an electronic record of the all the patient information and their

numerous encounter notes in chronological order.

Environment: Web Based .Net application using C#, Win 2K server, IIS 5.0, SQL 2000

Certificates:

AWS Certified Solutions Architect - Associate Level

Education:

Graduate Studies

Master of Science in Lean Systems Engineering
University of Kentucky, Lexington, KY, USA.

Undergraduate Studies

B.E (Manufacturing System Engineering)
College of Engineering, Guindy, Anna University,
Chennai, INDIA.