

Anil Desai

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<http://AnilDesai.net>

Profile

- **Results-Oriented Consultant:** Proven ability to architect and implement software and systems management solutions based on customers' requirements, on-time and within budget.
- **Industry-Recognized Technical Expert:** 15+ years of in-depth experience with IT and applications architecture, web and client application design, .NET development, and IT management. Microsoft MVP (Windows Server - Virtualization).
- **Accomplished Author and Trainer/Presenter:** Can effectively communicate complex technology concepts to audiences of various levels. Communications abilities shown through numerous best-selling books, White Papers, online publications and conference presentations.

Technical Skills

Software Design and Development

Application design and development; Object-Oriented Design (OOD) and Programming (OOP); Microsoft .NET Web and Windows Forms Development (C# and VB.NET); Database design and implementation

- Designed and developed multi-tier applications based on ASP.NET, Windows Forms, and SQL Server.
- Implemented numerous integrations using SOAP, XML, XSLT, and the .NET Framework.

Systems Architecture

Microsoft Windows Server data center architecture and management; Server Virtualization; Active Directory design and implementation

- Designed and deployed solutions based on the Windows Server platform, Active Directory and SQL Server.
- Managed datacenter operations using automation, server virtualization, and shared storage solutions.

Technical Communications / Product Design

Authoring of print and on-line books, articles, and White Papers; Product design and development

- Authored numerous technical books related to Microsoft server and database platforms and technologies.
- Authored independent technical White Papers to support organizations' marketing efforts.

Technology Expertise

Platforms: Windows Servers; Active Directory; MS SQL Server; MS .NET Framework; IT Virtualization solutions

Architecture: Microsoft .NET Platform; VB.NET; C#; ASP.NET design and development; Cloud-based application design and deployment; Windows Forms design and development; ADO.NET; Service-Oriented Architectures (SOA); Web Services; SOAP; XML; XSLT; Application integrations (SalesForce.com, QuickBooks, Solomon, Great Plains); Object-Oriented Analysis (OOA) and Object-Oriented Design (OOD); Crystal Reports

Admin.: Virtualization (Hyper-V and VMware); Active Directory; Group Policy; Directory Management; Automated software and OS deployment; Server performance monitoring and optimization; Storage technologies (SAN, NAS, iSCSI); Internet Information Services (IIS)

Database: Database design; SQL Server architecture, administration, optimization; Transact-SQL development; Performance monitoring and optimization; Backup and recovery

Networking: Network Design; VPNs (SSL, L2TP/IPSec); Routing, Switching, VLANs; DNS; DHCP; Virtual Switches

Education & Certifications

- Microsoft Most Valuable Professional (MVP) - Windows Server - Virtualization (2004 - present)
- Microsoft Certified IT Professional (MCITP)
- Microsoft Certified Technology Specialist (MCTS)
- Microsoft Certified Systems Engineer (MCSE)
- Microsoft Certified Solutions Developer (MCSD)
- Microsoft Certified Database Administrator (MCDBA)
- Microsoft Certified Application Developer (MCAD)
- Oracle 7 Certified Database Administrator
- Please see <http://AnilDesai.net> for complete transcripts and certification details

BA in Biology, Minor in Psychology from University of Texas at Austin (1996)
Graduated on the Dean's Honor Roll for the College of Natural Sciences

Publications and Presentations

Note: For a complete, up-date list of writing and speaking projects, please see: <http://AnilDesai.net>.

Books

➤ Microsoft Certification

- Windows Server 2008 (Exam 70-643): Configuring Applications Infrastructure Self-Paced Training Kit
- Windows Vista (Exam 70-623): Windows Vista Client for Consumer Support Technicians
- Windows Server 2003 Administration Study Guide (70-290); (Osborne/McGraw-Hill, 2003)
- Windows Server 2003 Active Directory Administration Exam Guide (70-294) (Osborne/McGraw-Hill, 2003)
- MCSE: Windows 2000 Directory Services Administration Exam Guide (70-217) (Sybex, 2000)
- Numerous Windows Server and Active Directory-related training guides

➤ Virtualization

- The Rational Guide to Managing Microsoft Virtual Server 2005 (Rational Press, 2006)
- The Rational Guide to Scripting Microsoft Virtual Server 2005 (Rational Press, 2006)

➤ Database Management

- Managing and Implementing SQL Server 2005 (Keystone Learning, 2006)
- SQL Server 2000 Backup & Recovery (Osborne/McGraw-Hill, 2003)
- SQL Server 2000 Database Design Study Guide (70-229) (Osborne/McGraw-Hill, 2001) (Co-Author)
- SQL Server 7 Backup and Recovery (Osborne/McGraw-Hill, 2000)

➤ IT Systems Management / Networking:

- The Resource Guide to Data Center Automation (RealTimePublishers / Opware, 2006; Co-author)
- Windows NT Network Management: Reducing Total Cost of Ownership (New Riders Press, 1999)
- Network Security: The Complete Reference (Osborne/McGraw-Hill, 2003) (Contributing Author)

Articles and Papers

- Please see <http://AnilDesai.net> for a complete list of articles and publications.
- *Do More With Less: Virtual Server 2005* (Microsoft TechNet Magazine, 2006)
- *The IT Resource Guide to VPNs* (RealTimePublishers.com, 2003)
- *Best Practices for Data Protection and Recovery* (Winternals, Inc., 2002)
- *Your IT Operations Guide* (MCP Magazine, 2001)
- *Building an Enterprise Virtual Private Network* (Enterprise Systems Journal, 2001)
- *SQL Insider (Series of 4 articles)* (MCP Magazine, '01)
- *SQL Server Database Design and Implementation (70-229) Exam Review* (MCP Magazine, 2001)
- *Private and Secure: The VPN Solution* (MCP Mag, 2001)
- *Breathe New Life into Windows NT* (Interex Enterprise Solutions, 1999)
- *Selling Windows 2000 to Management* (MCP Mag, 1999)
- *Your Own Private Internet* (MCP Magazine, 1998)

Conference Presentations

Topics: Server Virtualization (Hyper-V, VMware) SQL Server Security and Data Protection Data Warehousing / Advanced Data Analysis	<i>IT Management Best Practices</i> <i>Performance Monitoring and Optimization</i> <i>Virtual Private Networking</i>
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Conferences:

- The Experts Conference (Las Vegas)
- MCP Magazine TechMentor (London; San Francisco; San Diego; Las Vegas; Atlanta)
- HP World / Interworks (San Francisco; Las Vegas; Chicago; Santa Clara; Houston)
- Microsoft Explorer (DCI, Inc.) (Boston; San Diego; Washington, D.C.)
- Numerous local and regional conferences, including Code Camp and SQL Code Camp presentations

Professional Experience

Anil Desai, Inc. (Consulting)

2005 - present

Independent consultant, providing systems and software architecture expertise and technical writing services.

Areas of Focus:

- **General Consulting:** Software design and datacenter optimization consulting for a wide variety of clients
- **Software Development:** Application architecture, design, and implementation using a variety of technologies, including VB.NET and C#.
- **Database Architecture:** Database architecture, design, and implementation, including replication, performance optimization
- **Server Virtualization:** Writing, speaking, and consulting based on Microsoft Hyper-V and VMware technology
- **Writing:** Author of numerous technical books, training courses, papers, articles, White Papers, and online content

Professional Experience (continued)
Surgient, Inc.

2004 - 2005

Surgient is a provider of on-demand, self-service applications for demo, test, and training lab automation.

- Managed rapid growth of 350+ servers within one year in a mission-critical 24x7 datacenter. Each server hosted approximately eight virtual machines running on Microsoft Virtual Server 2005 or VMWare ESX.
- Evaluated and tested shared architecture server, storage, and network solutions for supporting business demands. Overall, this reduced costs, decreased deployment times, and increased efficiency.
- Supported major Enterprise customers including Adobe, BEA, Document, EMC, Microsoft (Microsoft Learning, MSDN, and Microsoft TechNet), National Instruments, SAP, Siebel, and Symantec.
- Designed and implemented a Windows Server 2003 Active Directory environment to support shared datacenter architecture. This provided centralized management capabilities, increased security, decreased server deployment times, greater flexibility, and decreased administration overhead.
- Performed monitoring, load testing, and troubleshooting of production virtual and physical servers to optimize scalability and availability; implemented automated installation process for servers.
- Optimized performance of Network Appliance shared storage device to reduce costs and improve reliability.

Independent Consulting

2001 - 2004

Provided systems management, application design, integration, and writing expertise for numerous clients

Major Projects:

- **Chamberlin Edmonds & Associates:** Designed and developed a complete web-based Medicare/Medicaid eligibility determination system using ASP.NET, ADO.NET and SQL Server 2000.
- **QuickArrow, Inc.:** Developed numerous integrations with back-office accounting systems using Web Services, SOAP, XML, XSLT, and related technologies.
- **Unitrends, Inc.:** Designed and developed a prototype of a SQL Server backup module for the company's flagship data protection software.
- Wrote numerous technical books related to Microsoft Certification, databases, and systems management.

QuickArrow, Inc.

1999 - 2001

A provider of on-demand web-based Professional Services Automation (PSA) software

Technical Architect

- **Engineering:** Provided technical design and implementation of product features for a ColdFusion/J2EE web-based Enterprise application. Ensured implementation quality based on functional specifications, features, and scalability over numerous major and minor releases.
- **Datacenter/Site Operations:** Responsible for monitoring and optimizing performance of all mission-critical production web, application, and database servers in the datacenter. Wrote automation scripts that decreased administration overhead and provided visibility into real-time application usage.
- Assisted Sales, Marketing, and Business Development teams with technical communications to customers.

Sprint Enterprise Services

1997 - 1999

Formerly Sprint Paranet, a leading national provider of hardware, software, and network consulting services

Consultant / Technical Analyst

- Provided network operating systems consulting for numerous global, national, and local companies.
- Won numerous company awards, distinctions, and bonuses based on technical certifications, book and article publishing, and consulting achievements.

Major Projects:

- **3M:** Implemented a site-wide Lotus Notes version upgrade and developed automated client-side installation scripts to decrease deployment times.
- **Austin Logistics:** Provided advanced data analysis support related to call center operations. Developed Crystal Reports-based forms based on complex custom reports written in SAS.
- **Silicon Metrics Corp.:** Provided systems and network management support for a microprocessor testing automation provider, including Windows Server infrastructure, Microsoft Exchange Server upgrades, and general end-user support and troubleshooting.
- **Motorola:** Provided systems administration for an internal Engineering group. Included the setup of file system storage, management of security permissions, general troubleshooting, and performance monitoring. Also assisted other consultants in the development of web-based applications.
- **Object Reservoir, Inc.:** Provided systems administration and technical troubleshooting for an oil & gas discovery software developer, including Windows Server and Exchange Server upgrades.

Professional Experience (continued)

- **Mr. Gatti's Corp:**
 - Designed and developed a custom client-side application that performed nightly uploads of store-based sales data to the central office for analysis and reporting.
 - Lead the selection and implementation of a network-based accounting system to replace a legacy mainframe system. Included evaluation of various accounting packages (Great Plains, Solomon, and Navision), setup of a network environment to support the selected package, and end-user support.
- **Seton Medical Center:** Led the evaluation, selection and implementation of an automated help-desk solution to reduce time to resolution for department issues and improve end-user satisfaction. Designed and implemented the solution and performed training for a staff of approximately 30 end-users.
- **State of Texas Department of Protective and Regulatory Services:** Assisted with the implementation of an Oracle-based web portal to provide information to all other State agencies. Provided server capacity recommendations and developed Windows NT 4.0 Server installation process for sites throughout Texas.
- **Tellabs:** Designed and implemented a site-wide Intranet for Tellabs, Inc. The site included sections for all major areas of Austin-based operations, and facilitated information-sharing between departments.

Dell Computer Corp.

1996 - 1997

Senior Technician

- Provided hardware, software, networking troubleshooting assistance to end-users via phone-based support.
- Created troubleshooting flowcharts to ensure consistent response on new issues.
- Won Rookie of the Quarter Award based on best call center performance.
- Won Top Team Performer Award for best customer service provided.

Consulting Projects

Projects, Clients, Accomplishments

- **Chamberlin Edmonds & Associates:** Developed requirements, performed functional and technical design, and implemented an entire Medicare/Medicaid Eligibility Determination System designed to determine the eligibility of patients for State of Georgia medical assistance programs.
 - Rewrote the application from the ground-up to rescue a failed implementation. The new version met all requirements, was developed within five months and was completed at a fraction of the original cost.
 - The application was written using .NET technologies and included an ASP.NET front-end, ADO.NET-based data access layer and SQL Server 2000 back-end.
- **LoneStar Environmental:** Designed and implemented a client-side application for collecting environmental data samples; application was written using the .NET platform and utilized an ADO.NET/XML storage engine. The application supports Tablet PCs and allows for report generation via Microsoft Excel.
- **QuickArrow, Inc.:** Designed and implemented numerous integration solutions between the QuickArrow Enterprise Consulting Suite and other Customer Relationship Management (CRM), Sales Force Automation (SFA), and Accounting systems.
 - *Technologies Used:* XML, XSL / XSLT, SOAP / Web Services
 - *Products integrated include:*

SalesForce.com	QuickBooks (IIF and qbXML)
Microsoft Word (invoice exports)	QuickBooks Online Edition (Data posting via SOAP API)
Solomon Accounting	Custom end-user accounting systems
 - Designed and developed QuickArrow Offline MS Project Application; Application was used to connect to the QuickArrow Web Services API and to provide full two-way, offline integration with Microsoft Project files.
- **Unitrends:** Designed a SQL Server backup module for the company's data protection solutions. Included functional specifications, technical architecture, database schema design, and a fully-functional prototype written using .NET technologies. Helped the company quickly develop the solution without the need for in-house SQL Server expertise.
- **Winternals:** Wrote White Papers to support marketing efforts for the company's data protection and performance optimization software solutions. Helped the company build credibility by providing technical information from an independent, industry-recognized author and expert.