



## James Dethwick

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## PROFESSIONAL SUMMARY

Hello, I am James Dethwick, I'm a Cloud/Network Architect with AWS Certified Solutions Cloud Architect, a Mobile Developer, Full-Stack Developer, and a Certified Microsoft Engineer with expertise in Azure, Windows Server, Microsoft Active Directory, Microsoft Exchange, Microsoft SCCM. I have rich experience in globally working with large organizations helping them build out and manage their infrastructures. I also work with small and mid-sized companies on mobile and web site design and development.

Does experience matter to you? I'm an establish, reliable, well experienced technology consultant with over 20+ years' experience in the trenches working globally with Fortune 500 companies, government agencies, and startups to successfully completing complex IT projects. Please review my experiences below.

## PROFESSIONAL EXPERIENCE

Present to 1996 **MSShop Technologies, Inc.** New York, NY  
*Technology company I founded in 1996 to provide consulting services for Complex Technology Projects.*

Here are some of the larger projects I have worked on in the last 20 plus years:

2020 to 2019 **2webit.com** New York, NY  
**Cloud/Network Architect**

I have architected, build-out, and supported a Cloud Hosting Services Company utilizing AWS and Azure for small and mid-sized companies. Besides monitoring, managing, and troubleshooting the current cloud environment, I have also built the front and back-end web app utilizing AWS/Azure servers utilizing Centos, Windows, Ubuntu, cPanel, WHMCS, MYSQL, PHP, Bootstrap, jQuery, HTML, CSS, JavaScript, and whole lot more. Service offered include: Shared Hosting, Managed WordPress Hosting, VPS Hosting, Dedicated Linux Servers, Managed Dedicated Linux Servers, Dedicated Windows Servers, Website Builder, SiteLock, SSL, and Domain Registration Services.

**ENVIRONMENT:** AWS EC2, S3, IAM, CloudWatch, RDS, ECR, ECS, Beanstalk, Lambda, ELB, CloudFront, Kinesis, Route 53, DynamoDB, ElastiCache, SQS, SNS, Step Functions, SWF, API Gateway, SES, Cognito,

CloudFormation, CloudTrail, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, KMS, Azure Virtual Machines, Azure Storage Accounts, Azure SQL Databases, Azure Virtual Networks, Azure Active Directory, Azure Resource Groups, Azure Monitor, Azure Security Center, Azure Cost Management, Azure Load Balancers, Azure Advisor, WHMCS, cPanel, Microsoft Windows Server, Linux, CentOS, Ubuntu, SAN Storage, Apache, JavaScript, jQuery, Bootstrap, PHP, CSS, HTML, PayPal, Stripe, FTP Account Manager, MySQL, PhpMyAdmin, PostgreSQL, Cron Jobs

2019 to 2017

**hairandhairalone.com**

New York, NY

### **Full-Stack Developer**

Utilizing native iOS, XCode, Objective-C, Swift tools and building a website on AWS EC2 infrastructure with Joomla, MYSQL, PHP, Bootstrap, jQuery, HTML, CSS, JavaScript, and much more, I have developed a very sophisticated subscription based mobile app for the Apple App Store. This app peaked in the top 10 in the lifestyle section of the Apple App Store. Currently we have about 3000 signed up subscribers. I built this mobile app

The application was built for native Apple iOS utilizing Objective-C and the latest version of Swift that is linked to a MySQL backend database where I built Restful API's using PHP. I also take advantage of Apple cloud for settings storage. The backend is being managed on Joomla with a LAMP CentOS server on AWS with a front-end applying HTML/CSS/JS/PHP/Bootstrap web standards. Testing, monitoring, and deployment is using Git, Unit Testing, Fabric, Crashlytics and Fastlane.

Here are some of the following advanced features:

- AI for daily top five suggestions for products, tips, and weather.
- Facial recognition technology, we analyze your face and hair then give you detailed hairstyle recommendations and guidance.
- We analyze celebrity hairstyles from around the globe to find out what hairstyle is trending.
- Virtual hair makeover, featuring a hair color try-on that simulates real dye colors from major hair color brands to adjust an uploaded photo, as well as celebrity hairstyle wigs.
- Real time Weather Graphs with our proprietary Frizz Forecast Algorithm.

**Links:** [App Store](#) , [Website](#), [Landing Page](#)

**ENVIRONMENT:** Apple iOS, XCode, Objective-C, Swift, Core Data, SQLite, Joomla, Apache, AWS EC2, S3, IAM, CloudWatch, RDS, ELB, CloudFront, Route 53, ElastiCache, SQS, SNS, CloudTrail, CentOS, AFNetworking, Crashlytics, FXBlurView, FXLabel, Fabric, HCYoutubeParser, INTULocationManager, JSONKit, JSONModel, JTCalendar, KissXML, MKFoundationKit, MKiCloudSync, MPCoachMarks, MTLog, NSData+Base64, YelpAPI, PODS, Pyze, RWBlurPopover, SCNetworkReachability, SVProgressHUD, TwitterKit, UIBezierPath+Shapes, UIImage+ImageEffects, Kite-Print-SDK, macros\_blocks, NXOAuth2Client, PayPal-iOS-Dynamic-Loader, SDWebImage, Stripe, AcyMailing, EasyBlog, SobiPro

2017 to 2015

**Myhairweather.com**

New York, NY

### **Full-Stack Developer**

Utilizing native iOS, XCode, Objective-C, Swift, and many 3rd party tools and building a website on AWS EC2 infrastructure with Joomla, MYSQL, PHP, Bootstrap, jQuery, HTML, CSS, JavaScript, and much more, I have developed a sophisticated mobile app. I had built this app as a pay once native based mobile app for the Apple App Store. This app has sold thousands of downloads in the Weather/Lifestyle section in the Apple App Store.

**Links:** [App Store](#), [Landing Page](#)

**ENVIRONMENT:** Apple iOS, XCode, Objective-C, Swift, Core Data, SQLite, AWS EC2, S3, IAM, CloudWatch, RDS, ELB, CloudFront, Route 53, ElastiCache, SQS, SNS, CloudTrail, Joomla, Apache, CentOS, Crashlytics, Fabric, AFNetworking, JSONKit, JSONModel, KissXML, PODS, SCNetworkReachability, SVProgressHUD, TwitterKit

2014 to 2012

**Nofonow.com**

New York, NY

### **Full-Stack Developer**

I built this app as a pay once native based mobile app for the Apple App Store. It has both an iPhone and iPad version. Though this app was designed for a small market with low market reach initially, but the bigger plan was to replicate this design and process to many small towns across the United States. Eventually, this plan was scrapped, but I was very proud at the time of its sophisticated menu system and its template design. I built this mobile app utilizing native iOS, XCode, Objective-C, and a couple of 3rd party tools. Website was built with CMS Joomla, MYSQL, PHP, HTML, CSS, and JavaScript.

**Links:** [App Store](#), [Landing Page](#)

**ENVIRONMENT:** Apple iOS, XCode, Objective-C, Core Data, SQLite, Joomla, Apache, CentOS, Crashlytics, Fabric, AFNetworking, KissXML, PODS, SCNetworkReachability, SVProgressHUD, AWS S3, IAM, CloudWatch, CloudTrail

2013 to 2011

**CIT Group**

Livingston, NJ

### **Microsoft Exchange Active Directory Engineer**

I supported and troubleshooted Microsoft Exchange, Active Directory, various other support issues. I was also assigned to convert a legacy database to Microsoft SQL. I also provided support and maintenance to Windows Server Active Directory running on VMWare. Wrote PowerShell scripts to automate server maintenance. Additionally, I helped provide support to Citrix.

**ENVIRONMENT:** Microsoft Active Directory, Microsoft Exchange, Microsoft Windows Server, VMware ESX & vSphere, Windows Desktop, Microsoft PowerShell, Citrix, Microsoft SQL

2011 to 2011

**Becton, Dickinson and Company**

Franklin Lakes, NJ

### **Microsoft SCCM Active Directory Engineer**

I supported and troubleshooted Active Directory and Systems Management Server, and other technologies like McAfee. I also provided Level-3 support for approximately 30,000 users worldwide. I was asked to provide Microsoft Office365 cloud costs analysis and provided Active Directory security assessment. Other projects included rolling out McAfee Firewall Policies through EPO, helping design and provide recommendations to Manufacturing Plant Active Directory Environment, heading up project for 100% Server compliance worldwide, providing migration consultation on Notes to Exchange, and an SCCM Project upgrade.

**ENVIRONMENT:** Microsoft Active Directory, Microsoft Windows Server & Desktop, Microsoft Systems Management Server, McAfee, DNS, Hyper-V, Microsoft Office 365, Firewalls, Microsoft PowerShell, Lotus Notes, Microsoft SCCM

2010 to 2010

**CIT Group**

Livingston, NJ

### **Security Engineer**

I migrated CIT from Computer Associates Entrust AV to Symantec Endpoint Protection to hundreds of servers globally without any downtime. I was also asked to setup best practices for policies for scans, threats, and updates. I coordinated with the security server groups worldwide to minimize downtime. I wrote Visual Basic scripts to automate install and repair issues. The project was well documented with installation steps and procedures used. Finally, I was an advisor for implementing a RBAC system.

**ENVIRONMENT:** Symantec Endpoint Protection, Computer Associates Entrust AV, Microsoft Windows Server, DMZ, Microsoft IIS, VMware ESX and vSphere, Windows SEP Client, Microsoft SCOM, SEP SNAC

2010 to 2010 **AIG** Livingston, NJ  
**Microsoft Exchange/Quest Migration Engineer**

I helped export Exchange 5.5 users to the latest Exchange version to different companies using Quest Software. Assisted on the Quest Exchange Migration Wizard (EMW) Installation and Setup for both Source and Target migration locations. Installed/Configured Microsoft Exchange servers in new environment. Deployed Windows Server in new Forest/Domain. Reviewed existing architectural designs and provided structural changes. Discovered LDAP Query field for Exchange Source emails. Produced documents with resolutions on how to recover from a failed migration. Assisted in deploying Management Packs for Microsoft SCOM.

**ENVIRONMENT:** Quest Migration Manger for Microsoft Exchange, Microsoft Windows Server, Microsoft Exchange, LDAP, Microsoft Exchange 5.5, McAfee Email Security and Anti-Virus Protection, Dell Servers and Storage

2010 to 2009 **Celgene** Summit, NJ  
**Active Directory Architect**

I secured both Microsoft Active Directory and Microsoft Exchange, to help secure and restructure current environment to industry best practices. The tasks required me to work with large worldwide teams to help ensure the project was properly performed. One of the tasks was for me to analyze, document, present, and cleaned-up then restructure existing Active Directory Sites, Group Policies (GPO), DNS entries, and DHCP servers. My goal was to secure various Desktop/Server applications by writing scripts for various tasks like to secure the local admin permissions worldwide. I also evaluated and secured the existing Exchange environment. I implemented standards for groups and recipients in Active Directory and Exchange then I identified and cleaned up Active Directory replication issues. Finally, I was instrumental in assisting in consolidating of company acquisitions with multiple AD domains/forest into one.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft Exchange, VMWare ESX vSphere, Altiris, RSA, Active Perl, Microsoft PowerShell, AD Manager Plus, Hyena, Dameware, Citrix, Credant, WMI Scripting, PeopleSoft HR to AD connector

2008 to 2007 **Suffolk County Government** Hauppauge, NY  
**Microsoft Exchange Active Directory Engineer Architect**

I was asked to consolidate and secure multiple Active Directory Forests with many Active Directory domains in 12 Data Centers/Networks containing 2 separate Exchange Email systems, hundreds of server applications. I ran scanning tools for security holes, vulnerabilities, and weaknesses without effecting current operations, and provided risks levels to vulnerabilities then proposing a solution to each finding. Due to the nature of the work I was performing, I had to work closely with IT commissioner, IT Head, and the Board to go over all discovered security vulnerabilities and to present the risk level/impact/percentage complete/estimated completion date.

I was then asked if I could consolidate multiple forest with 15 Domains to one forest and 10 domains by removing and combining resources and users as required then moving servers to one data center. In the process of combining Domains, I had to get all Exchange Servers on the same version, so I migrated all mail Exchange servers to the latest version without negatively affecting over 10,000 users. During the email servers upgrade I was able to bring all Exchange servers to one data center which in-turn allowed for better disaster recovery of email.

Being proactive, I brought in and setup event log monitoring software and other monitoring tools to check and alert on security breaches. Then I created system that allowed trusted staff to change all local admin server passwords and change all service account passwords throughout the organization within minutes. In my final analysis, I removed over 200 administrators and restructured administration to lockdown permissions throughout the organization, implemented security policies Administrators were now required to login as a user on their desktops. Their environment is now a lot more secure from these changes.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft Exchange, Microsoft SQL, DELL SANs/Blades/Servers, Microsoft Virtual Server, Blackberry Server, Microsoft Office, Microsoft Project, Microsoft Visio, NetBackup, Network Monitor, Oracle Database, Juniper VPN, Lieberman Service A/C Manager, Keroon PW Reset, Quest In-Trust Change Auditor Exchange and AD, Adventnet Eventlog Analyzer, McAfee AV Enterprise, GroupShield, and SMTP Appliance, Microsoft GPO Management Tools, Microsoft DNS/DHCP/WINS/Dfs, Network Router/Switches

2007 to 2005

**BOCES**

Patchogue, NY

**Microsoft Exchange Active Directory Engineer Architect**

I consolidated servers throughout 9 locations into one data center by migrating outdated Microsoft NT Domain and older Microsoft Exchange environment to one Microsoft Active Directory and latest Exchange environment. Project had zero user downtime. 15 new Servers replaced 40 old servers Assessment on current environment to determine project requirements. Current environment included 100 plus servers with multiple clustered servers spread out throughout the 9 locations. Worked closely and reported to CIO to provide project management by generating a weekly project plan, tasks outstanding, resources required timeframes, and estimated costs. Designed a single Active Directory Domain with a centralized Exchange email services on a 100 TB SAN with data shadowing to a second data center for disaster recovery. Designed Storage Area Network data requirements and allocated space for email, user data, and other applications. Created migration plan to move 2,000 users' email/data/shares/printers from exiting domains to new Active Directory environment. Old servers were reinstalled or removed from the environment. To do this we had to run a dual environment with domain trusts in place. Consolidated environment into one major data center with a disaster recovery location. Redesigned Network topology to accommodate new server environment. Built a roll back procedure when applied to any user with a problem during migration assured that there was no downtime. Installed and successfully deployed Microsoft Windows Server Update Services (WSUS) to automatically update with security patches both servers and desktops.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft Exchange, DELL SANs/Blades/Servers, Microsoft Virtual Server, Microsoft WSUS, Hygena AD, Ecora Reports, Commvault Backup, Citrix, TrendMicro ScanMail, Accellion Attachments, IdeaStore Backup Appliance, Whale Appliance, Microsoft ADMT Tools, Microsoft GPO Management, Microsoft Office 2003, Microsoft Project, Microsoft Visio, Microsoft DNS/DHCP/WINS, Scripting: VBS/BAT, Cisco Router/Switches

2005 to 2004

**TD Securities**

New York, NY

**Microsoft Desktop Migration Engineer**

I migrated, secured, and standardized Windows desktops across the US infrastructure. I performed an in-place upgrade to the existing traders and end-user's computers. This included moving user data, settings, and applications without replacing the desktop with a new one, while some applications needed to be upgraded during the move (i.e., Bloomberg Terminal and Microsoft Office). I worked closely and reported to US Director of IT to understand project requirements and constraints. Besides coming up with the technology solution I also created and maintained a project management plan with tasks, resources requirements, timeframes, and estimated costs. Before deployment, I had to perform an assessment on current desktop environment which included hundreds of desktops in 5 different models with 250 applications spread out throughout multiple locations. There were numerous custom applications with data modeling that traders were using. Many traders

also had old hardware that needed some hardware upgrades like memory. To make matter worse, users were administrators on their local computers with a lot of sensitive data on them. I put together a team that included some guru internal staff personnel with some specialized outside consultants for programming Microsoft Office macros, and a hardware specialist to help with the builds and the installation. The design we used was to create a standard build for all desktops models and create WMI packages for all applications.

Based on user inventory with existing hardware we would ghost with SysPrep a standard image onto a spare hard disk in lab; use the USMT tool to copy up user settings the day before migration; logon to user night before in lab to download settings and allow to publish applications to user; morning crew would swap out the old hard drive (label and store) with the ghosted prepared hard drive. Installed and deployed Microsoft Systems Management Server to deploy the 250 applications to the users based on department. I worked closely with network engineers and data center personnel to redesigned network topology and storage requirements to accommodate new desktop environment.

We accomplished this on Trading Desk Systems with no downtime. We also applied Active Directory GPO's to secure and standardized desktop functions. I setup a system where users were provided training both on our project website and in a classroom if needed. We utilized WinInstall MSI for application packaging and WinBatch was used for desktop automation. Finally, we installed a helpdesk ticket system to help organization track changes and issues.

**ENVIRONMENT:** Microsoft Windows Desktop, Microsoft Office, Microsoft Windows Server, Microsoft Systems Management Server, Microsoft SQL, Ghost, SysPrep, BartPE, WinPE, USMT. RIS, WinBatch, WinInstall, Microsoft Exchange, Microsoft GPO Management, Microsoft Project, Microsoft Visio, Microsoft IIS, AppVerifier, AppCompTester, Microsoft Office Macros and VBA Scripts

2006 to 2005

**Baruch College**

New York, NY

**Instructor**

I taught Exchange Server technology and other Email Systems to about 25 plus students. Provided class instruction through lectures and presentations, provided class structure through class syllabus, created and managed class website, and graded students based on examinations, projects, and other criteria that I defined. Taught students on how virtualization technologies are reshaping the data center and server software installation.

**ENVIRONMENT:** Microsoft Exchange, Lotus Notes, Microsoft Windows Server, Microsoft Virtual Server, VMWare, Microsoft Visio, Microsoft IIS, Microsoft PowerPoint, VBS

2004 to 2004

**XL Capital**

Stamford, CT

**Microsoft Systems Management Server Consultant**

I was hired to plan, design, build, and automate the global deployment of new standardized desktops to thousands of global users, which included the deployment 200+ applications utilizing Microsoft Systems Management Server technology. I worked closely with global IT departments to assess current desktop, server, and application environments that were deployed. Design included deployment of Microsoft Systems Management Server servers to 100 locations with standard image included on desktop hard drives to avoid congesting networks at the local level. Applications and user settings were installed when user first logged in. I also worked with Active Directory engineers to redesign domain controller deployment to maximize efficiencies that included redesigning global Active Directory OU/Domain structure. I documented design and desktop build process for future use. Designed Windows updates through management packs within Systems Management Server to provide software security updates to desktops and servers worldwide. Finally, I acted as advisor in providing guidance for upcoming Exchange rollout.

**ENVIRONMENT:** Microsoft Systems Management Server, Microsoft SQL, Microsoft Windows, Microsoft Office, Microsoft Windows Server, Ghost, Microsoft SysPrep, BartPE, WinPE, USMT, RIS, WinBatch, Wise Package Installer, Microsoft GPO Management, Scripts: VBS and BAT, Citrix, Microsoft WSUS, Microsoft Visio, HP Servers

2003 to 2003

**Debevoise & Plimpton**

New York, NY

**Microsoft Exchange Architect**

I was tasked with migrating thousands of users throughout all United States offices from the current Novell GroupWise email system to the latest Microsoft Exchange email system, and to update mail clients to the latest Microsoft Outlook email application from GroupWise while still maintaining integration to an existing document management system. I architected an email infrastructure that included centralized clustered email servers running off a SAN. I worked with the network group to redesign network infrastructure to accommodate the increase in bandwidth. I also drew up and coordinated the development of the migration process that was going to be deployed. Provided technical guidance to users migrating from Novell GroupWise to Exchange/Outlook. Identified and help troubleshoot desktop and server issues to avoid user downtime and delay. Wrote and created server and end-user technical documentation for migration. Build a database with integrated web site portal so users can choose their migration date. Managed a team of 10 Migration Engineers to perform migration process. Migration process utilized Wingra software to migrate user mail.

**ENVIRONMENT:** Microsoft Exchange, Microsoft Windows Server, Wingra, Novell GroupWise, Microsoft IIS, DELL Servers, Microsoft Outlook, Microsoft Project, Microsoft Visio, Microsoft DNS/DHCP/WINS, Scripting: VBS/BAT, Cisco Router/Switches

2002 to 2002

**New York State Govt.**

New York, NY

**Microsoft Exchange Architect**

I worked with IBM Consulting Service Group to architect and unite various email systems to one Microsoft Exchange email system for hundreds of Government agencies across New York State. The design required support for an estimated 250,000 mail users through a self-hosted environment controlled by a central IT department in Albany. My proposed solution provided for both coexistence and migration with agency environments that includes various versions of Exchange, Lotus Notes, SendMail, and Novell GroupWise. I interviewed and met with various agencies to understand project requirements. The proposed architected Microsoft Exchange email system design was modeled after the ASP services model where users/agencies will choose from a lists of email menu services and charged back for services selected. Approximate sizing for design included a centralized SAN (IBM ESS Shark) with 250TB of disk space that was shadowed to another location for disaster recovery. I worked with central IT to help redesign main data center to accommodate new servers, SAN, power, and security. I also helped deploy more than 50+ servers running the IBM xSeries model. By gathering then assessing the customer data and designing and validating inside a lab the proposed solution, I was able to save the customer time and money by architecting the proposed correct solution that was verified by the customer's business drivers. Entire design was architected and tested using VMware virtualization software.

**ENVIRONMENT:** Microsoft Exchange, Microsoft Windows Server, Novell GroupWise, Lotus Notes, SendMail, Microsoft IIS, IBM Servers and SANs, Microsoft Visio, Microsoft DNS/DHCP/WINS, Cisco Router/Switches

2002 to 2002

**Topps**

New York, NY

**Microsoft Exchange/Active Directory Disaster Recovery**

I was asked by the Topps to consult as a Disaster Recovery Architect for Topps baseball cards. I provided a solution to allow for disaster recovery for Microsoft Exchange and Microsoft Active Directory to a data center

located in Pennsylvania from New York. The solution was to implement a disaster recovery site using real time replication and clustering using NSI GeoCluster.

**ENVIRONMENT:** Microsoft Exchange, Microsoft Windows Server, NSI GeoCluster, Microsoft IIS, IBM Servers and SANs, Microsoft Visio, Microsoft DNS/DHCP/WINS

2002 to 2002

**Sullivan and Cromwell**

New York, NY

### **Penetration Testing**

Through IBM Consulting Services in New York, I was asked by the Law Firm of Sullivan and Cromwell to penetrate test as a security hacker to produce an internal server/network audit on Microsoft, Cisco, and Novell systems. The project was to identify any security holes that existed and to provide recommendations to close them. The results lead to redefining company-wide security policies. I clearly supplied client with documented findings and security recommendations. The client was able to close all identified security holes with my recommendations.

**ENVIRONMENT:** Microsoft Windows Desktop and various hacking tools

2001 to 2001

**Morgan Lewis**

Philadelphia, PA

### **Microsoft Desktop Imaging Engineer**

I was assigned to create an unattended desktop setup for hundreds of users across the US. Ghost with SysPrep was used to create images with standard applications installed. USMT tools were also used to capture user settings.

**ENVIRONMENT:** Microsoft Windows Desktop, Microsoft Office, ORKT, Ghost, SysPrep, USMT, RIS, WinBatch, Scripts: VBS and BAT, IEAK

2001 to 1998

**Dow Jones**

South Brunswick, NJ

### **Microsoft Infrastructure Architect**

Technical Lead for global technology infrastructure initiative to consolidate servers from multiple operating systems, 5 different email systems, and a multitude of applications into three major data centers (US, Europe, and Asia) by moving to a Geographical Domain Model on Microsoft Windows Servers, a single Microsoft Exchange Email environment, an Systems Management Server for desktop refresh, and many other related technologies. Current environment included 500 plus servers with multiple technologies that needed to be consolidated. Designed a multi Windows Domain environment with three major locations to host Exchange email services and three major data centers. Worked with Network Engineers to redesign Network topology to accommodate new environment, which included working with the networking group on Traffic/Bandwidth requirements. Designed and deployed global Systems Management Server infrastructure that included over 50 role servers dispersed globally. I was responsible for the design and management of server deployments to over 40 locations worldwide. I build a forecast model to cost out Servers and defined criteria for an office to maintain a server (Number of Servers Needed, Bandwidth Requirements, etc.) Part of the committee to define company-wide naming standards. I worked closely consulting Security Departments to assure and define server security policies and I helped define company-wide server and desktop policies. I also helped to deploy Internet Information Server, Crystal Reports, and SQL Server that allowed IT management to manage system log events and other data from many sources.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft Exchange, Microsoft Systems Management Server, Microsoft SQL Server, Veritas, Compaq/HP Servers, Citrix, Crystal Reports, BMC, Discus POC, Clearcase, Blackberry Devices, Quota Server, Microsoft Project, Microsoft Visio, Microsoft DNS/DHCP/WINS, WinBatch, Scripting: VBS/BAT/Kixtart/Perl, Network Router/Switches



1999 to 1998  
**Technology Consultant**

**Segal/Sibson**

Princeton, NJ

I was brought in to provide a high level of Technology recommendations to their current environment. I put together a Disaster Recovery plan and assured that their Backup Exec and Backup/Restore system were setup correctly. Additionally, I trained personnel on latest technologies like database and web design. I helped them resolve various issues.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft Exchange, Veritas Backup, Compaq/HP Servers, Citrix, Microsoft Visual Interdev, ASP, HomeSite, Microsoft SQL, HTML, Flash, ActionScript

1998 to 1998  
**Microsoft Infrastructure Architect**

**Digital Computer**

New York, NY

Consulted on projects for large international companies like Becton Dickinson and Dow Jones, to provide a design review for a Windows NT domain structure, trust relationships, security, routing, naming conventions, and library structures. Based on discussions with Becton Dickinson technical and management personnel, I recommended that the NT strategy for Becton Dickinson be based on a Multiple Master Domain model as designed. After reviewing the existing access rights of various user groups and the applications accessed by Franklin Lakes users and departments, I provided recommendations to improve the design.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft DNS/DHCP/WINS

1998 to 1996  
**Microsoft Infrastructure Architect**

**Hilton-Promus Hotels**

Memphis, TN

From the Memphis location I was placed in charge of converting current Novell/Unix infrastructure to a single Microsoft Domain/Exchange/Systems Management/Desktop infrastructure. Assessment to the current environment included 1000 plus servers with multiple technologies spread out throughout 500 hotel locations. Final project included a multi-Domain environment sitting on multiple Microsoft Windows Servers with a centralized Microsoft Exchange email environment being deployed and refreshed by a central Microsoft Systems Management Server system to provide a smooth migration. Worked closely with Network Engineers to redesign network topology to accommodate new server environment. I coded Wise/WinBatch scripts to automate Microsoft Mail to Exchange upgrade on the desktop to ease the migration. Designed and deployed an automated system to perform daily updates for an in-house custom hotel application that would update all hotels worldwide via satellite transmission using Stardust Multi-Casting software. Also, architected and implemented a new DHCP, DNS, and WINS infrastructure.

Additionally, my other responsibilities included building out a new data/call center in Tampa Florida with 500 call receivers that included deploying call center software with highly secure lockdown desktops across 5 servers.

**ENVIRONMENT:** Microsoft Windows Server, Microsoft Exchange, Microsoft Systems Management Server, Microsoft SQL, Novell Netware, Novell GroupWise, Compaq/HP Servers, Citrix, Microsoft Project, Microsoft Visio, Microsoft DNS/DHCP/WINS, WinBatch, Router/Switches

1996 to 1993  
**Senior Systems Engineer**

**Lazard Frères**

New York, NY

My job was to provide Level-3 support to Investment Bankers and Traders and Level-3 support for multiple operating systems servers throughout the US. I was also instrumental in making sure the data center moves from 1 Rockefeller to 30 Rockefeller went smooth. I provided and wrote programs to track and distribute software that moved United States users from diskless workstations to Windows Desktop.

**ENVIRONMENT:** Microsoft Windows Server NT, Banyan Vines, Novell Netware, Unix, Microsoft DNS/DHCP/WINS, C-Programming, Visual Basic, WinBatch, Batch, Microsoft Office, Network Router/Switches

1993 to 1990  
**Systems Engineer**

**Smith Barney**

New York, NY

My Job was to provide support the Accounting Department and to maintain the Banyan Vines/Novell Netware servers. Additionally, I was the first department in the company to convert users from WordPerfect/Lotus to Microsoft Word/Excel.

**ENVIRONMENT:** Banyan Vines, Novell Netware, Unix Servers, Word Perfect, Lotus 123, Microsoft Word, Microsoft Excel, C Programming, Excel Macros, Batch Scripting, Token Ring

## **Education:**

Queens University of New York (CUNY), Bachelor's Degree  
Columbia University of New York, 2-Year Program Degree in C Programming

## **Certifications:**

**Technology:** AWS Certified Solutions Architect Associate, MCSE, MCTS, MCSA, MCT, CPPCERT, CWACERT, PHP, CompTIA Security+

**Other:** PMP, Certified Public Accountant (CPA) - Non-Practicing

## **Other:**

**Park 100 Condominium** – Voted President since 2008, Manage building operations including personal, contractors, legal issues, budgets, etc.

## Summary of Skills:

### My skills

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For the last 20 plus years my projects have involved the following skills by percentage of time.

|                                      |      |                                   |     |
|--------------------------------------|------|-----------------------------------|-----|
| <b>AWS CLOUD</b>                     | 30%  | <b>MOBILE DEVELOPMENT</b>         | 40% |
| <b>WEBSITE DEVELOPMENT</b>           | 30%  | <b>MICROSOFT SERVERS</b>          | 50% |
| <b>IOS DEVELOPMENT</b>               | 25%  | <b>MICROSOFT ACTIVE DIRECTORY</b> | 50% |
| <b>UNIX SERVERS</b>                  | 25%  | <b>MICROSOFT EXCHANGE</b>         | 20% |
| <b>DATABASES (SQL)</b>               | 25%  | <b>MICROSOFT SCCM &amp; WSUS</b>  | 10% |
| <b>WINDOWS DESKTOP MIGRATIONS</b>    | 25%  | <b>MICROSOFT AZURE</b>            | 10% |
| <b>SECURITY</b>                      | 100% | <b>PROJECT MANAGEMENT</b>         | 20% |
| <b>CPANEL &amp; WHMCS MANAGEMENT</b> | 20%  | <b>CMS-JOOMLA AND WORDPRESS</b>   | 25% |