

# JUSTIN SMITH

1231 N. FORMOSA AVE. #3 | WEST HOLLYWOOD | CALIFORNIA | 90046 | 424.226.6398  
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[JUSTINS@ENTROPYTECHNOLOGY.COM](mailto:JUSTINS@ENTROPYTECHNOLOGY.COM) | [WWW.JUSTINSMITHRESUME.INFO](http://WWW.JUSTINSMITHRESUME.INFO)

## TECHNICAL

### ENTERPRISE APPLICATIONS:

Clustered SQL & Exchange; DNS (BIND/named); IPSec VPN (lan-to-ian and remote access), ISC DHCP; Squid proxy; NAT; scripts; network expertise; VLANS; Architecture (Network infrastructure & Active Directory), Apache, SSH, Citrix Farm, OpenBSD, CentOS, Windows NT-2008R2, XP-Windows 7, Mac OSX; Systems management with WSUS, Ghost, BackupExec, Sharepoint 2007 farm administration

### ADMINISTRATION SKILLS:

Hotel deployment – PBX, audio systems, admin network, guest network, voice network, video network and security cameras and DVRs; Branch office deployment – budgeting, procurement, implementation; Network design and architecture; firewall and vpn access lists and troubleshooting;

### HARDWARE:

Cisco ASA Firewalls and VPN concentrators; SAN (HP/Lefthand), Layer 3 switches; Cisco Routers; CAT 5 cabling; Control4 Home automation, Riverbed WAN, Mitel 3300 PBX

### DEVELOPMENT:

NodeJS, AngularJS, PHP, Elasticsearch, MongoDB, ExpressJS, LevelDB

## WORK EXPERIENCE

May 2013 - Current **Entropy Technology, LLC**  
West Hollywood, CA

### PRESIDENT

- Worked with clients on design goals for business strategy, network security, compliance, and cloud migrations
- Focused on payment security field, which included vulnerability scanning, network security, ethical hacking, and compliance concerns
- Bitcoin software in development to integrate with Point of Sale devices as a payment gateway
- Worked with partners and banks for various levels of funding
- Personally contributed 100's of lines of code to Github for bitcoin applications

January 2011 – May 2013 **j2 Global, Inc**  
Hollywood, CA

### SENIOR WINDOWS ARCHITECT

- Designed and maintained global Windows cloud services for fax, voice, and backup for eFax, PhonePeople, OneBox, and KeepITSafe brands.
- Expertise in T1, E1, HMP, SIP on platforms
- Worldwide implementation of Exchange 2007 and 2010, Enterprise Vault, TMG.
- Developed IBM Tivoli Maximo from ticketing system to comprehensive tracking, asset, and auditing platform including upgrade to 7.2
- Implementation of IBM Tivoli Endpoint Management for security, compliance, and desktop management
- Maintained and upgraded 12 forests with multiple domains to 2008 AD
- Microsoft's Sharepoint, IIS, SQL, TS 08 RDS, HyperV, SCVMM, Dynamics were

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maintained in the environment.

- Created Powershell scripts for common tasks to manage large volume of servers

October 2003 – Present **Viceroy Hotel Group**

Previously *The Kor Group* and *Kor Hotel Group*

Los Angeles, CA

## SENIOR NETWORK ENGINEER

- Managed direct reports in network engineering and help desk for supplemental network maintenance.
- Designed global strategies to align with business practices with experience in global communications, cloud computing, and security and administration policies.
- Opened 20 hotels with advanced technology requiring solutions for Admin, Guests, Voice, Video, Audio, Security Systems with requirements for multiple VLANs, network circuits, VPNs, firewalls. Majority of hotels were outside of United States – including Mexico and the Caribbean.
- Setup and maintained multiple datacenters, including full redundancy within each datacenter and distributed replication for offsite access. Included fully integrated Linux solutions with Windows Active Directory. Multiple clustered servers I setup for Exchange and SQL database on enterprise storage area network.
- Utilized mixed opensource and proprietary solutions such as network monitoring with Nagios, backups with BackupExec, SNORT for IDS, EndPoint for Antivirus/AntiSpyware, WSUS for patch management.
- Active Directory conversion to forest level hierarchy with children domains for each hotel or corporate office. Maintained all replication and site links for local DCs and GCs.
- Ongoing maintenance of Citrix Farm, Sharepoint farm, Exchange 2003 farm (inclusive of all spam filters, blackberry servers, etc.)
- Maintained all centralized technologies for corporate offices and franchised hotels. These included MAS200, ADP Timesaver, Property Management Systems (Opera and HIS Epitome), Delphi CRM, Salesforce CRM
- Planning and preparation for 2010 deployment of desktop refresh, into new Exchange 2007/10 environment, AD structure, Desktops to Windows 7 and Office 2007.
- Separate preparation for international growth into Abu Dhabi, Maldives, Vietnam in 2011

May 2002 – August 2003 **WorldWinner.com**

Marina del Rey, CA

## SYSTEM ADMINISTRATOR

- Oversee all aspects of corporate information infrastructure management.. LAN, VPN, printing, filesharing, and email for Windows, Linux and Mac clients.. Coordinate moves, adds and changes. Maintain software, maintenance contracts and vendor relationships. Document desktop standards and provide technical support for traveling staff. Analyze requirements for network and system technologies. Develop and define standards for networks components, firewalls, server systems, operating systems
- Network and systems engineering for web services, experience in service operations and Internet security. Extensive knowledge of UNIX, Linux, CVS, Shell

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Scripting, Windows, LANs, and Traffic Mgmt. Experience with Apache, RedHat, Informix, HTML, XML, ASP.

Various Dates April 2001- October 2003

-- *Cinoni Inc; NewLane LLC; Infolenz, Inc; Faye, Pollack & Associates, Inc.; Cardinal Health*

## CONTRACT WORK EXPERIENCE

- Implementation of Windows 2000 with Active Directory and Exchange 2000 for network backbone and email services; wrote system and administration documentation; setup network security & groups. Redesigning current network topology to one coherent domain
- Major DNS re-organization for email, web, and other host support for Cinoni, Inc, InfoLenz Inc, and NewLane LLC. Setup certificate server for immediate access to Exchange 2000 OWA over SSL for email.
- Physical network moves from one office building to another. Implemented small wireless LAN's. Implemented Symantec Ghost to create copies of good software configuration in conjunction with backups to help reduce complicated backup/restore regimens
- Network cleanup of routers and CiscoWorks

2000 – 2001 **Pretzel Logic Software**  
Boston, MA

## SYSTEM ADMINISTRATOR

- Experience with IT infrastructure including the firewall, email systems, frame relay connections and VPN connections between offices, server and user hardware and software, and a development network. Thorough experience with the following products: Symantec/Axent Raptor FW 6.5, MS Exchange 5.5 and 2000, MS Windows 2000 & NT4, Norton Corporate AV, IIS 4 & 5
- Maintained backups, licenses, software, installs, file systems, print services, Nortel phone system (and voicemail). Hosted corporate website [www.pretzel.com](http://www.pretzel.com) internally as well as developed corporate intranet and it's infrastructure including http and ftp access
- Successfully migrated entire organization from Windows NT 4 to Windows 2000 both server and workstation.. Network monitoring and diagnosis and notification through such 3<sup>rd</sup> party tools as What'sUp and SuperScout
- Built a subleased company's entire IT infrastructure from the ground up using Windows 2000 environment, firewall services, Active Directory, and Exchange 2000 with OWA.

1999 – 2000 **NewsEdge Corporation**  
Burlington, MA

## HOSTED OPERATIONS SYSTEM ENGINEER

- Maintained all types of network connections including frame relay, satellite, modem, fiber, ftp, to ensure continual flow of news. Configuration and installation of proprietary news content delivery server through over 500 different news feeds
- Maintained status of over 300 hosted MS NT IIS servers through network monitoring and constant server maintenance. Implemented IIS as the web server

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for the news server

1998 - 1999      **MIT Lincoln Laboratory**  
Lexington, MA

## HELP DESK TECHNICAL SUPPORT

- Provided comprehensive solutions to computer problems relating to hardware, software and architecture. Installed, upgraded, configured, and maintained NT application. Executed day-to-day admin tasks, including account creation, maintain NT file systems, backups, etc.
- Designed and employed web pages with HTML and JavaScript for LL's intranet including documentation, implementation, and configurations to support the end user

1997-1998      **Vivo Software**  
Waltham, MA

## QUALITY ASSURANCE

- Focused on achieving highest software standards for streaming video applications over a network and writing appropriate documentation for the product specifications. Applied LAN management to stream video more effectively through multicasting and broadcasting techniques
- Setup Lotus Notes databases for our group to communicate more effectively

## EDUCATION

1995 - 1999      **Northeastern University**  
Boston, MA

## BACHELOR OF SCIENCE IN COMPUTER ENGINEERING TECHNOLOGY

- 3.34 Overall GPA – 3.67 Major GPA. Graduated a 5 year program in 4 years with Honors and induction to TAI (National Honor Society for Top 5% students in Engineering Technology)