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Experience

Laughing Squid Web Hosting
System Administrator

San Francisco, CA
Mar 2010 – Present

- Overseeing Laughing Squid standard managed server, 13 Red Hat boxes which include Plesk boxes and MyDNS, and its new cloud hosting powered by Rackspace Cloud site. On call 24/7 for any emergency.
- Deployed new Cloud Server running Red Hat ES 5.4 as utility and test box for future migration of physical to virtual machines.
- Developed new scripts to help migrate customers from our standard hosting to cloud, including IMAPBatch on github, <http://zuzu.pk/177>, which allows us to move multiple e-mail accounts from our standard server to Cloud Site E-Mail. Updated and maintain existing scripts adding new features as we roll out new products.
- Provide end user support for their websites for advance issues, relating to security, coding issues, and database problems.
- Oversaw the upgrade of all Plesk Servers from 8.6 to 9.5 and addressed any new issues caused by the upgrade
- Responsible for security of all Standard server and working with Rackspace to secure Cloud Sites, working with them to find and remove any Shells that can cause problems for client sites.
- Help transition our Flag Ship blog <http://laughingsquid.com> from our standard hosting server to Cloud Site.

LinkedIn
Email Migration Specialist

Mountain View, CA
Mar 2010 – May 2010

- Provide support with a two month contract in helping LinkedIn transition from Exchange 2003 to 2010 with BES 5. This included both local users in the Mountain View HQ and remote users across the globe working with help desk. Finishing half a month ahead of schedule.
- Help configured and supported Microsoft Entourage for OS X, Outlook for Windows and mobile devices including Blackberry and iPhones. Also trained users on the new Outlook Web Application (OWA).
- Tested various configurations for OS X to better work with Exchange 2010, including testing Mail.app/iCal/Address Book support for Exchange 2010 and OS 10.6.
- Supported Help Desk/IT in any issues that arose, including backing up E-Mail for users, helping them convert to Mail.app if using OS 10.6, repair database corruption in Entourage, pushing updates remotely to OS X and PC Systems, issues with plugins for Outlook and etc.
- Special Project: Help create a plan for using Exchange 2010 with Linux and setup a test user who is testing Linux for Engineers, <http://zuzu.pk/1e>

New Technology, INC
System Admin

San Francisco, CA
Dec 2006 – Mar 2010

- Worked with various small business that receive services from New Technology
 - Bay City Real Estate and Loans, INC

- * Manage and upgrade existing network services with Samaba, Postfix, SSH, and etc
- * Built custom cloud solutions, example using Novell's iFolder
- * Oversaw downsizing of network cost/needs, by using more cloud computing and virtualization, reducing costs by 50%
- San Francisco Traffic Clinic/Law Offices of David K Uthman
 - * Deploy office with mixed network, using Cisco routers, of Windows and Mac Computers.
 - * Help convert the office from a Windows environment to Mac, helping every step in the conversion from system selection, Software equivalent, and setting up a Windows VM for certain software that did not have OS X equivalent.
- Friendly Tax Services
 - * Provide on-call technical support
 - * Setups and deploy companies computers in preparation of tax seasons, including removing of spyware and viruses, securing systems to protect sensitive data and setup procedures to reduce it.

Lockheed Martin Missile and Space/ATR
Contractor

Sunnyvale, CA
Jan 2006 – Nov 2006

- Developed procedures with Range Safety Team and supervised tests on Flight Termination Systems (FTS) package in the lab using various electrical equipments, including but not limited to Oscilloscope, Astro-Med, STE, frequency generator and etc to resolve an inflight RF issue.
- Worked with the team that helped resolved cable shorting issue during FTT-3, developed procedure for test and conducted test to isolate cause of issue which included the use of explosives.
- Developed various design changes for trade study to resolve issue regarding Power Distribution Unit over/under voltage issue caused by faulty battery.
- Conducted analysis to revise test procedure, using Mechanical and Electrical Engineers, to created a better Qualification test to better reflect flight scenario. Participated on Qual test, helping supervise EMI lab in their test of the package and be available for any issues that raised.
- Prepared specs for a portable Test Console built on a standard laptop and interface card developing and porting drivers and software written in C from existing Test Console.

Bay City Real Estate and Loans
System Admin

San Francisco, CA
Jul 2003 – Dec 2005

- Built a company wide VPN Network using off the shelf hardware, Watchguard routers, allowing for seamless integration of remote offices and personal over 5 remote location and over 50 users.
- Created and maintained a company E-Mail server, using open source software Postfix + Cyrus IMAP to provide for internal and external communication. Included tying in Anti-Spam and virus tools using Spamassassin, ClamAV, and Amavis for a robust and seamless E-Mail with web interface (squirrelmail).
- Provide onsite security help, maintaining firewalls for offices, anti-virus and end users support for desktops, and provided on call support for all network and server security, deploying technology ie Shorewall and IDS's ie SNORT
- Configured and deployed a private cloud server required for maintaining a central database of completed loan application, using open source software to allow for remote and offsite storage of data from remote office .
- Worked to integrating off the shelf real estate and loan origination software (POINT) with network allowing for shared information and teamwork across offices.

Kumon Learning Center, Chinatown
Math Specialist

San Francisco, CA
May 2002 – Mar 2004

- Assisted and tutor children with worksheets for advance math topics from advance algebra up to calculus. Also worked with younger children on the basic math and some simple reading.

Technical Background

Languages: C/C++, Java, BASH shell scripting, SQL, \LaTeX , Objective-C, HTML, PHP, Perl, Scheme and Visual Basic

Foreign Languages: Informal Urdu/Hindi, and 3 years of German in high-school.

Area of Study/Interest: Corpus Linguistics, Algorithms and Data Structure, Networking, and Cryptography, Electrical Circuits.

Networking/Server: Watchguard, Linksys/Cisco, and custom Linux routers. VPN Networks using OpenVPN and commercial solutions in both bridge and Mobile setups. Deploying E-Mail server, Postfix, LAMP Servers for Wordpress, SAMBA, and iFolder. Experimenting with EC2 and Nginx with <http://zuhaib.me/> and <http://zuzu.pk/> (Short URL).

Operating Systems: Experience in both Windows and *nix environments including OS X, Linux and FreeBSD with over 6 years of experience.

Projects: Team Leader for building High School's Website as student (2001-2002), Participates, bug tests, and contributed code to Zekr.