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Archimedes, Inc. (San Francisco, California :: Jan 2007 – Present)

At Archimedes, my duties include; Lead Interaction Design (IxD), IT Management, Systems Administration, IT support, Salesforce Administration and Project Management.

Lead Interaction Designer

- IxD for web sites and applications encompassing interface and user experience design: Ideation, Wireframing, Mockup, Prototyping, hand-coding.
[XHTML, CSS, Adobe CSx, Axure RP Pro, JavaScript - jQuery, MooTools]

Webmaster

- Design of new corporate site in collaboration with Marketing and Sales.
- Maintain current site, propagate leads into Salesforce.
- Salesforce Administration and lead propagation (API, cURL & Web-2-Lead) including Customer Portal
- Setup and integration of site report facets.
[xHTML, CSS, JavaScript - jQuery, PHP, MySQL, PostgreSQL, Apache, Google AdWords, Google Analytics, LeadLander, DynDNS, Domain Registration/Transfer, Apache Nameserver Virtual Host, phpmyadmin, phppgadmin]

Systems Administration

- Administration of a server farm spread across two data centers and an internal server room with built in HVAC.
[Ubuntu, Gentoo, Red Hat EL, JeOS, TomCat 6.x, eAccelerator, Grid MP, Windows 2003, Google Mini, SSL Cert., Firewall, Network]

Software Administration

- Setup and maintenance of numerous server based consoles for corporate support and collaboration.
[MS AD, Symantec BackupExec +RALUS+DLO Agent, Salesforce Admin, UnivaUD Grid MP Console, MS Dynamic (Solomon) , MediaWiki, Wordpress, Drupal, Joomla, Confluence, Bugzilla, Subversion, Sharepoint, Kayako Support Suite, IRM+FATS6]
- Setup, configuration and some DBA for corporate databases.
[MySQL 5.x, PostGres 8.x.]

Hardware Support

- Setup, configuration and maintenance of all corporate hardware platforms.
[Dell Rack Servers EqualLogic SAN, GSA, NEC Aspire Telco PBX, Dell Business grade laptops and desktops, HP laptops, Lenovo laptops]

Project Management

- Utilize excellent organizational skills to meet deadlines.
- Website Revamp, Server room build-out, Hosted Email MS Exchange Upgrade,
- Asset Tracking, Software Acquisition, Vendor Management,
- Server Consolidation via JeOS.

IT Support

- Support of anything within the organization that draws electrons and is utilized by staff in a software or hardware context.

PGP Corporation (Palo Alto, California :: July 2003 – November 2006)

At PGP, my duties included; Web Design, Development and Integration in support of Marketing, Sales and IT.

Web Design:

- UI Design and maintenance for all customer facing sites including the corporate site and a Reseller Partner Portal.
[HTML, CSS, JavaScript, PHP, MySQL, Oracle, Java, Adobe Photoshop]

Single Sign On:

- Integration of a Java (Struts) based single sign on solution for web site and partner portal visitors.
[Cam's - Cafesoft's Java based SSO solution]

Web Development:

- Design and development of software utilities to support sales.
- IP Validation toward fulfillment of export restrictions.
- Roll-out of an Enterprise CMS solution.
[PHP, MySQL, Oracle, GeoIP, Hannon-Hill Cascade Server]

Integration:

- Lead Propagation from customer facing assets to Salesforce.com (SFDC) CRM.
[SFDC Lead propagation via Web to Lead, cURL, NuSOAP PHP API]

Campaign Mgmt:

- Bulk mail and eCampaign management.
[Subscribe - Ion Technologies, Vertical Response +SFDC]

ChemConnect, Inc (San Francisco, California :: September 1999 – March 2002)

At ChemConnect, my duties included; Web Design and Development.

Web Design:

- UI Design and maintenance for all customer facing sites including the corporate site and administration of a vertical News Portal for the Chemicals Industry - MyChemConnect.
[HTML, CSS, JavaScript, Perl, Adobe Photoshop and ImageReady]

Web Development:

- Development of some servlets to render Chemical News upon the Trading floor as parsed from syndicated news feeds.
[Servlets, JSP, Oracle]

Applied Materials (Santa Clara, California :: June 1995 – March 1999)

At Applied Materials, my duties included; Global Applications Support, DBA, and finally Lab Management and Systems Administration.

Systems Integration:

- Server consolidation across the enterprise to reduce total cost of ownership and fileserver administration.
- Setup and administration of a test lab. which mimicked Applied's client-server networked environment.
[Compaq Proliant Rack servers]

Applications Support:

- Tier 2 support for Applied's Global Engineering Change Order (GECO) and Global Customer Engineering Special (GCES) applications.
- Hacking the Ingres database behind both applications when things misbehaved badly owing to an understaffed development team.
- Helpdesk setup and management.

Telegen Corporation (Foster City, California :: June 1994 – March 1995)

At Telegen, my duties included; Testing and analysis of their Automatic Carrier Selection (ACS) device.

R & D Associate Engineer:

- Analysis and development of an Automatic Carrier Selection device.
- Characterization of possible failure modes by board level analysis.
- Product Test supervision at Alpha and Beta stages.
- Schematic validation of CAD plots.

SanDisk Corporation (Santa Clara, California :: September 1993 – June 1994)

At SanDisk, my duties included; Product test and analysis of PCMCIA based flash memory cards.

Product Engineer:

- Product Test engineering and failure analysis upon customer returned non-volatile memory devices.
- Memory module failure analysis and yield enhancement through defect management.
- System level troubleshooting of RMA-ed Flash EEPROM memory cards in a DOS environment.

Education (BA, BSEE, MAIA)

MAIA(Product Design) : Department of Design and Industry, SFSU - 2010
Creative Work : Sustainable Materials Application

BSEE(Microelectronics), BA(Maths): Trinity College Dublin - 1992
Thesis : Ambisonic Filter Development