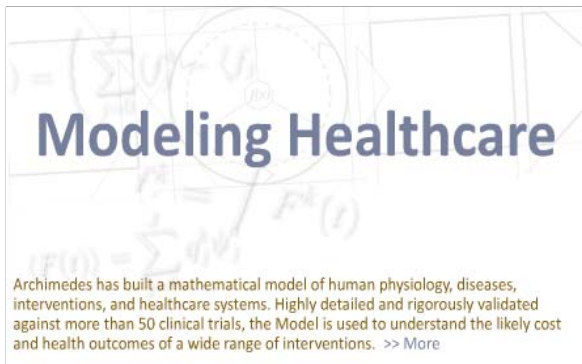




Archimedes, Inc. (San Francisco, California :: Jan 2007 – Present)

Archimedes is an independent Healthcare Modeling organization located in San Francisco. Their core technology - the Archimedes Model – is a mathematical model of human physiology, diseases, interventions and healthcare systems. The Model is highly detailed, rigorously validated and made available for use by health

plans, pharmaceutical companies, researchers, and other organizations to help understand and resolve vital clinical and administrative healthcare questions. Archimedes is a small wholly owned, for profit subsidiary of Kaiser Permanente. This position reports into the VP of Engineering.



Responsibilities

At Archimedes, my duties include;

User Interface/Experience design, IT Management, Systems Administration, Project Management and general (internal) IT support.

Skills/Technologies Employed

Role - Summary

Lead UX designer: UX design for web sites and applications: Ideation, Wireframing, Mockup, Prototyping, hand-coding.

Webmaster: Design of new corporate site in collaboration with Marketing and Sales. Maintain current site, propagate leads into Salesforce. Setup and integration of Marketing Sales and site report facets.

Keywords – Technologies

XHTML, CSS, JavaScript – jQuery, Adobe CSx.

xHTML, CSS, JavaScript – jQuery, PHP, MySQL, Apache, Google AdWords, Google Analytics, LeadLander, DynDNS, Domain Registration/Transfer, Apache Nameserver Virtual Host .

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Skills/Technologies Employed (Archimedes, Inc. - cont'd)

Systems Administration: Administration of a server farm spread across two data centers and an internal server room with built in HVAC.

Ubuntu, Gentoo, RedHat 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, UnivaUD Grid MP Console, MS Dynamic (Solomon) , MediaWiki, Wordpress, Drupal, Joomla, Confluence, Bugzilla, Subversion, Sharepoint, Kayako Support Suite, IRM+FATS6, Acronis.

Middleware Administration: 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: Employ organizational skills to meet deadlines and implement projects affecting entire organization.

Website Revamp, Server room build-out, Hosted Email MS Exchange Upgrade, Asset Tracking, Software Acquisition, Vendor Management, Server Consolidation via JeOS.

General IT Support: Support of anything within the organization that draws electrons and is utilized by staff in a software or hardware context; Finance, Operations, HR, Business Dev, Sales Marketing, Engineering, Science, Project Mgmt, Product Mgmt.

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

PGP Corporation is a global leader in email and data encryption software for Enterprise Data Protection. Based on a unified key management and policy infrastructure, the PGP® Encryption Platform offers the broadest set of integrated applications for enterprise data security. PGP® platform-enabled applications allow organizations to meet current needs and

expand as security requirements change for email, laptops, desktops, instant messaging, smart phones, network storage, file transfers, automated processes, and backups.

The position reported into the Marketing and IT departments.

Responsibilities

At PGP, my duties included;

Web Design, Development and Integration in support of Marketing, Sales and IT.

Skills/Technologies Employed

Role - Summary

Web Design: UI Design and maintenance for all customer facing sites including the corporate site and a Reseller Partner Portal.

Single Sign On: Integration of a Java (Struts) based single side on solution for web site and partner portal visitors.

Keywords – Technologies

HTML, CSS, JavaScript, PHP, MySQL, Oracle, Java, Adobe Photoshop

Employing Cam's - Cafesoft's Java based resource gating and policy server based single sign on solution for the Enterprise.

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Skills/Technologies Employed (PGP, Inc. - cont'd)

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, Oracle
- GeoIP Lookup
- Hannon-Hill Cascade Server - CMS

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)

ChemConnect was a business-to-business ecommerce trading site head-quartered in San Francisco. Its primary focus was the trade of bulk chemicals between buyers and sellers via Java based web applications. It also offered a vertical Chemical News Portal (MyChemConnect) for its members, based on

the Yahoo News portal paradigm. Subsequently, the 'etrading' floors have been sold off and the company now appears to be involved in supply chain management in Houston Texas. This position reported into the Design and Delivery team and eventually the Engineering department



Responsibilities

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

Skills/Technologies Employed

Role - Summary

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.

Web Development: Development of some servlets to render Chemical News upon the Trading floor as parsed from syndicated news feeds.

Keywords – Technologies

HTML, CSS, JavaScript, Perl, Adobe Photoshop and ImageReady

Servlets and JSP, Oracle

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

Applied Materials creates and commercializes the nanomanufacturing technology that helps produce semiconductor chips and flat panel displays. Their service products improve yield enhancement and increase nanomanufacturing productivity. Today, Applied's expertise is also being used in solar photovoltaic (PV) panels that turn abundant sunlight into clean electricity.



This position reported into the IS & T department. During my tenure at Applied I started out in Applications support, dabbled in database administration and wound up managing an IS & T lab. which I set up to mimic Applied's client-server environment.

Responsibilities

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

Skills/Technologies Employed

Role - Summary

Applications Support: Tier 2 support for Applied's Global Engineering Change Order (GECO) and Global **Customer Engineering Special (GCES) applications.** Helpdesk setup and management.

Systems Integration: Server consolidation across the enterprise to reduce total cost of ownership and fileserver administration.

Lab Manager: Setup and administration of a test lab. which mimicked Applied's client-server networked environment.

Keywords – Technologies

Hacking the Ingres database behind both applications when things misbehaved badly owing to an understaffed development team.

Compaq Rack servers

Compaq Rack servers

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

Not to be confused with Telegent, Telegen was a small Telecoms startup which chose to exploit the deregulation of the Telecoms industry. Their primary product was an Automatic Carrier Selection Device which enabled a caller to route a long distance call across the network of the carrier charging the least. This position reported into the Engineering department.

Strangely, my role in Telegen was unclear. To this day I am puzzled by what it was but I know what it wasn't. Besides the good people working there, the less said the better - the place went out of business pretty quickly. We've all had one of these jobs, right? After all, they're a rite of passage.



Responsibilities

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

Skills/Technologies Employed

Role - Summary

R & D Associate Engineer: Analysis and development of an Automatic Carrier Selection device. Characterization of possible failure modes by board level analysis.

Keywords – Technologies

- Product Test supervision at Alpha and Beta stages.
- Schematic validation of CAD plots.

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

Founded in 1988 by Dr. Eli Harari, an internationally recognized authority on non-volatile memory technology, SanDisk has grown to become the world's largest supplier of innovative flash memory data storage products.

SanDisk started life as SunDisk. A legal tangle with Sun Microsystems compelled its founder Dr. Eli Harari, to change the company name to SanDisk, upon suggestion from his daughter - or so the story goes.



SanDisk specializes in Flash (solid state or non volatile memory technologies). This position reported into the Engineering department. I worked there contractually for about a year as a Product Engineer analyzing and fixing PCMCIA (Personal Computer Memory Card International Association) flash memory cards which customers had returned under RMA.

Responsibilities

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

Skills/Technologies Employed

Role - Summary

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.

Keywords – Technologies

System level troubleshooting of RMA-ed Flash EEPROM memory cards in a DOS environment.

Education (BA, BSEE, MAIA)

Trinity College Dublin (TCD), Ireland
(BSEE, BA - 1992)



- Bachelors in Engineering with an emphasis on Digital Signal Processing and Telecommunications.
- Bachelors in Mathematics.
- **Thesis:** Ambisonic (surround sound) Presentation via 3D audio field.

San Francisco State (SFSU), USA
(MAIA - 2010)



- Masters of Arts in Industrial Arts with an emphasis on Product Design.
- **Creative Work:** An online sustainable Materials Database - [The FITS Sustainable Materials Library](#)