

DIRECTOR OF INFORMATION TECHNOLOGY

I am an energetic and creative IT professional with more than 20 years of industry experience. I possess multiple skills covering many aspects of Information Technology including -- systems administration, script and compiled language software development and systems architecture. Over the last 5 years I have been a managing director, responsible for design and deployment of several industry leading applications. I have a long list of corporate achievements that I would be pleased to present.

Core Strengths

- Excellent problem investigation and resolution skills.
- Consistently recognized as the *go-to* resource in an organization.
- Brings years of IT experience including development, management and training.

Career Highlights

- Granted US Patent 7548968 for work in the area of automated detection, alerting and enforcement of Intellectual Property rights.
- Invented ground breaking website harvesting and *Website DNA* signature generation software used in auto-detection and reporting of web based fraud, malware and IP violations.
- Authored iCIDR App that performs easy calculation of IP ranges, gateways and usable assignments based on CIDR notation. Currently available at the Apple App Store.
- Architect and Project Planner for *ActiveTrust DNS*, the first DNS integrity monitoring system, which continues to be the market leader in DNS monitoring.
- Created "*Interactive VR Floorplan*" technology for Real Estate.

Technology Skills

- PHP
- JAVA
- PERL
- Objective-C (Apple iOS)
- C / C++
- MySQL
- SQLite
- Postgress
- HTML
- JavaScript
- JSON

PROFESSIONAL EXPERIENCE

Internet Identity

Tacoma, WA

Director of Information Technology

10/2006

System Architect (*contract*)

5/2006 - 10/2006

- Designed, wrote and deployed company's first customer facing portal based on PHP and MySQL.
- Implemented data interchange conduits between FileMaker and MySQL information systems.
- Spearheaded the complete migration of all IT assets from a co-location facility in Tacoma to a SAS 70 Type II data center in Tukwila, while maintaining operational status for the 24/7 SIRT.
- Designer and project manager responsible for deployment of *Powershark 2.0*, the second generation of the client portal.
- Architect, designer and lead developer responsible for launch of the company's most ambitious project to date, *Powershark 3.0*, including a complete re-write from PHP to PERL.
- Created a scalable high-performance URL harvesting and analysis engine, executing over 1 million page harvests per hour.
- Deployed company's first data API for scalable data acquisition and processing, storing over 3 million unique threat items per day.
- Conceived, developed and implemented the incredibly fast *Website DNA* profiling and fingerprinting system which is the core of all automated threat processing.

Fred Hutchinson Cancer Research Center

Seattle, WA

ActivePERL LDAP Integrator (*contract*)

2/2006 - 5/2006

- Built personnel data interchange application to facilitate migration of LDAP based SCCA data into the ActiveDirectory based Fred Hutchinson HR system.
- Participated in classic Agile Development and testing project team with daily Scrums.

Mark Monitor

San Francisco, CA

eEnforcement IP Tools Lead Developer / Inventor (*contract*)

10/2003 - 9/2005

- Designer / developer of cutting edge Intellectual Property protection services based on PHP, PERL, MySQL and Sybase. Suite utilizes self-adjusting load-balancing functions to maximize system utilization to harvest over 500,000 URLâ€™s per night.
- Project lead responsible for assigning tasks, measuring success and milestones for team members while developing and enhancing the next generation of tools based on the products acquired from Alldomains.com.
- Responsible for migration of some of the Internetâ€™s largest players to MarkMonitorâ€™s flagship product â€œBrand Protectionâ€™ from Alldomains and other competing products.

Alldomains.com

Concord, CA

Chief Designer - BrandWatch (*contract*)

4/2001 - 10/2003

DCart Domain Registration Developer (*contract*)

7/2000 - 4/2001

- Chief architect and developer of Intellectual Property protection suite based on PHP, PERL and MySQL
- Developed cutting edge automated domain transfer and renewal engine using PHP and PERL on Solaris, FreeBSD and Linux systems.
- Responsible for specification, design and development of a PERL based e-mail registration processing system that included a domain transfer system interface to a MySQL database and Verisign charge-card system.
- Developed Multilingual Domain Registration tools used to support foreign language character sets such as Chinese (Big5 & simplified), Japanese (JIS212), Korean (KSC5601).

HP Advanced Systems Lab

Roseville, CA

Y2K Compliance Tools Developer (*contract*)

7/1999 - 6/2000

- Responsible for setup and administration of production HPUNIX UNIX systems used to process Y2K compliance and other automated e-mail processing applications.
- VB 6 development of COM applications to applications that perform data validation for MS SQL 7.0 databases, and

- XML
- UNIX & LINUX Administration
- MPE & MPEiX Administration

- process HP-UX product information for Y2K compliance reporting via web and e-mail (HTML).
- PERL development of applications producing dynamic metrics reporting of Y2K customer compliance via the Internet / Intranet. Developed highly acclaimed Tk/Tcl GUI tools to automate monitoring of support e-mail accounts that electronically notify support of new incidents.

California Department of Corrections

Folsom, CA

Y2K Data Remediation Specialist (*contract*)

4/1999 - 7/1999

- Responsible for analysis and recommendations for Y2K conversion of mission-critical prison facility software applications, in addition to development of the implementation strategy.
- Designed the testing strategy required for the rollout of Y2K applications throughout the state, utilizing a hybrid of several IEEE testing and documentation standards.
- Performed necessary code changes, along with unit and integration testing of over 400 JCL, COBOL and PowerHouse application modules.

Silicon Graphics Inc.

Mountain View, CA

IRIX (UNIX) Support Lead Engineer

7/1997 - 12/1998

- Systems Administration support to a wide variety of business segments including the aerospace industry, governmental agencies, and the entertainment industry.
- Mentor for new UNIX engineers, providing training and skill development.
- Developed PERL based search engine used by UNIX support team to find solutions to customer issues.

Tidal Software

Palo Alto, CA

Sales Engineer / Trainer

3/1996 - 7/1997

Q.A. Engineer

6/1995 - 03/1996

- Designed company's first website of which a key feature was allowing customers to contact sales and support and download available patches.
- UNIX systems administrator working on SunOS, Solaris, AIX, HP-UX-9 & 10, NEC and Sequent systems when primary administrator was busy or on vacation.
- Trained customers and support engineers on product installation, implementation and utilization of process scheduling tools (Express for UNIX, SysAdmiral).

Hewlett Packard Co.

Santa Clara, CA

Application Support Programmer

10/1991 - 6/1995

HP3000 & UNIX Systems Administrator (*contract*)

10/1989 - 10/1991

- Systems Management, programming and scheduling for HP-3000 and HP-UX production systems.



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