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Experience

GEEK INC - FOUNDING PARTNER - 2010 - TODAY

- I deployed a new Business Process Management System for Cannon Group Inc., a telecom management company based in Blue Bell, Pennsylvania. This BPMS automates many of the routine processes that support staff had to manually do previously. These processes string together a series of calls to custom APIs to integrate with telecom infrastructure at AT&T and Verizon.
- In collaboration with Ng Weng Hoong from The Strategist Pte., I created a multimedia e-book for British Petroleum of Singapore for their 50th anniversary. The final product was distributed internally through the corporate intranet as both a web application and an enhanced PDF. The online version can be viewed at: <http://geekinc.ca/clients/bp/>
- I built the Cube Cities Altus InSite project, which took 3D geospatial data and combined it with Altus' database of lease space available to provide a "Flyover" perspective of search results using Google Earth in the user's web browser.

GETTY IMAGES - SENIOR PHP DEVELOPER (CONTRACT) - 2014 - TODAY

- I was the lead developer in the AngularJS Content Management System (CMS) directives project. This project allowed the marketing team to place customized image carousels, time sensitive sales promotions and other marketing materials onto the Asset Details Pages and the Plans and Pricing page using Autonomy CMS.
- I lead the project to overhaul the File type landing pages for iStockPhoto.com - these are the primary starting point for all visitors to the website. The overhaul modified the look and feel dramatically to increase visitor engagement - from a static landing page to an algorithmic, tile based layout.
- My team spearheaded the conversion of iStockPhoto.com from a stateless, PHP framework based site to a series of single pages Javascript applications. We upgraded the Asset Details Page and Search Results Page to AngularJS with a Java based API backend - significantly improving both page response times and overall sales conversions.

BOW TIE WEBSITES - FOUNDING PARTNER - 2013 - TODAY

- My team created the website for EnergyAsia.com - a news portal with regular email updates covering current news regarding the various energy industries throughout South East Asia. The website has a back archive of over 20,000 articles dating back to April 2002
- The Alberta Registered Music Teachers Association needed an overhaul on their previous website for the Calgary Region. The new site (armta-calgary.com) is built on a custom theme for the Wordpress CMS with plugins to handle all the details from media gallery images to events to locating a local teacher.
- My team developed the online learning platform for CohrHealth.com including all the video and audio training courses.

CRITICAL MASS - APPLICATIONS DEVELOPER (CONTRACT) - 2012 - 2013

- I worked with the web services team to successfully launch mobile apps for NissanUSA.com and InfinitiUSA.com - The mobile web applications allow mobile users (iOS and Android) to access details of any of the vehicles. RESTful web services were used to facilitate the communication between the back-end databases and the front-end presentation. The software was implemented in Grails with the front-end presentation on Kony's mobile platform.
- I developed a high fidelity prototype of a web-based dynamic dashboard application for USAA. This dashboard contained a number of informational tiles ranging from account balances to bill payments and retirement planning. The dashboard (along with the feature tour interstitials) was developed using a combination of HTML5, CSS3 and jQuery technologies.

TELVENT - SYSTEMS ANALYST (CONTRACT) - ADVANCED APPS - 2011

- My role at Telvent (now Schneider Electric) involved both direct interaction with the clients (training, software demonstrations, troubleshooting) and custom development on several projects.
- I used a variety of different languages and technologies in this role (J2EE, Tomcat, VB.Net, C#) to develop everything from desktop user interfaces to Intranet Web Applications.

MMOS INC - PRESIDENT - 2008 - 2010

- I integrated our game achievement tracking website with the Playstation Network (PSN) by deconstructing the communications protocols using the Wireshark protocol analyzer. This allowed our site to track over 225,000 separate registered users with all of their achievements.
- At Blizzard Entertainment's invitation, I did on-site news coverage at BlizzCon (2008 and 2009) for our website, d3db.com (The Unofficial Diablo 3 Database).
- MMOS Inc. was successfully sold to ZAM Network LLC in 2010

GRATISITES INC - FOUNDING PARTNER - 2003- 2010

- I set up and supported Gratisites' Internet servers (Web, Mail, FTP, SSH, MySQL) for more than 100 hosted clients. As one example, I set up a load balancing server cluster for a client who serves more than 30 million unique visitors every month.
- I developed iOS (iPhone, iPad) mobile applications for our clients to natively present data from the databases that the websites connected to.
- When under a tight delivery deadline, the Alberta Children's Hospital Foundation called me in to repair and complete the receipting system for their online charitable donations system (Powered by Convio's eCommerce system and Adobe Acrobat Forms created in LiveCycle Designer).
- I handled all IT support and network management of Calforex's eleven branches in 9 cities. Windows Server 2008 (Active Directory, VMWare and Hyper-V, Linux in supporting roles).

BLINK DEVELOPMENT - FOUNDING PARTNER - 2000 - 2007

- I created several consumer desktop software applications including Vital Desktop Video, 3D Box Maker Professional and The Claymore Software Suite (Scheduler, Time Sheets and Card Filer). These applications were downloaded by over 100,000 end users from various affiliate sites. Vital Desktop Video was included on the cover CD of a German computer magazine (ComputerBild) with a readership of over 800,000 in April of 2007.
- I created the initial prototype embedded PC/104 based Vehicle Data Management System. This included creating a custom data interchange system in Java and managing data input from serial, CAN Bus and Digital Inputs.
- I wrote the embedded (C and Perl) and desktop application software (Borland C++ Builder) for 3D-P's OHI - an embedded system endpoint which interfaces older, proprietary communications systems with remote control and monitoring systems. This product evolved into the Phantom, Sabre and Hornet Intelligent Endpoints with thousands of units distributed worldwide.

Technical Skills

Javascript, JQuery, AngularJS, Bootstrap, Node.js, Grunt, Vagrant, Amazon Web Services, HTML 5, CSS 3, C, C++, C#, Objective-C, Java, JSP, J2ME, J2EE, AJAX, PHP, Zend, Perl, BASH, TCL/TK, Expect, Lua, Git, PHP Storm, IntelliJ IDEA, Delphi, Netbeans, Eclipse, OpenGL, CGI, ASP.NET, Windows Shell Scripting, Actionscript, JSON, XML, XSLT, SOAP, Visual Studio, VB, VB.NET, VBA, XCode, Cocoa (both OS X and iOS), XHTML, Groovy, Grails, GGTS, BonitaBPM, Unity3d, Kony Studio, Apache, NGINX, VirtualBox, VMWare, Microsoft SQL Server, MySQL, PostgreSQL, Access, XML, Paradox, Filemaker, SQLite, Oracle (9i, 10g, 11g)