

Brian G. Hauk

407 – 1885 East Pender Street, Vancouver, BC V5L 1W6

Tel. 604 688 4451

brian@datacentrik.com

OBJECTIVE: to efficiently and professionally design, develop and maintain useful, robust software which maximizes usability through effective, intuitive user interface design

TECHNICAL COMPETENCIES

Design, Test & Development	Visual Studio 6/2005, SourceSafe, ERWin & ER/Studio data modeling, intuitive design, VMWare, InstallShield
Technologies	.NET, object oriented design, software development life cycle
Languages	Visual Basic 6, Visual Basic.NET, JavaScript, VB Script, C, PERL
Databases	SQL Server, MySQL, Microsoft Access
OS	Windows (all versions), DOS, UNIX, Linux

WORK EXPERIENCE AND RESPONSIBILITIES

Highlights

SOFTWARE DESIGN & PROGRAMMING

■ **RESEARCHED AND PROGRAMMED JOB HUNTER'S COMPANY DIRECTORY & RESEARCH SOFTWARE** using Visual Basic 6 and Microsoft Access in consultation with stakeholders to determine required functionality. Created marketing plan and online and printed product promotional material. Produced product marketing/user help how-to videos.

RESULT: BC JOB SEEKERS FIND BETTER EMPLOYMENT FASTER by being freed from having to approach prospective employers at random, and can instead concentrate on contacting companies pre-disposed to hiring them based on their interests, abilities and experience using extensive company and contact information for over 8,100 organizations stored in the program's secure database.

Named *The JobPro Directory*, this useful, user friendly, robust, multi user, self-updating, maintainable company and contact research tool enables job seekers to quickly find, confirm and use employer and contact information to find better employment faster through its Internet Explorer/Google Search/Google Hybrid Maps, Internet WhoIs, registered email, Microsoft Word and Microsoft MapPoint integration. JobPro is dual-branded and marketed also as 'BC Contacts' and requires activation after an initial evaluation period. See www.datacentrik.com/jobpro and www.BCContacts.Net.

■ **REDUCED CLIENT SUPPORT COSTS THROUGH ROLLOUT OF WINDOWS XP WORKSTATIONS AS PART OF IBM CANADA / BRITISH COLUMBIA MINISTRY OF HEALTH TEAM** February – October, 2006

Designed and programmed software add-on for mission critical application using Visual Basic.NET.

Readied desktop and web applications for deployment in client environment by working with stakeholders including users, business analysts and developers to identify and resolve software issues keeping desktop and web applications from running on locked down desktops restricting users' ability to write to the Windows file system and registry. Leveraged InstallShield and a knowledge of software installation and runtime issues to package applications for deployment by Microsoft Systems Management Server (SMS), enabling transparent, network-based, centralized control of software distribution, installation and patch management. Facilitated User Acceptance Testing to confirm application readiness for production environment.

■ **INCREASED OFFICE WORKER PRODUCTIVITY BY CREATING 'IMAGE EDITOR' FOR THE UNIVERSITY OF WATERLOO'S COMPUTER SCIENCE DEPARTMENT** as part of a distributed multimedia office information system running on Sun workstations. Wrote simple technical and user manuals. Language: C, Operating System: Unix

■ **ENABLED NON-TECHNICAL PEOPLE TO USE OTHERWISE COMPLICATED SOFTWARE** by providing a graphical user interface (GUI) to UNIX command-line data conversion programs used at the Institute for Space and Terrestrial Sciences, University of Waterloo. The list of supported programs could be expanded by a non-programmer through editing a simple configuration file. Language: C, Operating System: Unix

WEB SITE DESIGN

■ **DEVELOPED 'COMMUNITY' WEB SITE for UBC's Institute for Computing, Information & Cognitive Systems** at www.icics.ubc.ca. Based on end-user consultation throughout its development, this site is designed to help unite the UBC research community while fostering communication between it and off-campus resources. It supports maximum browser compatibility while minimizing site maintenance. PERL scripts are leveraged to update over 35 contact information pages based on Excel data and the site template. Includes Google-based site search.

Tools: Dreamweaver, FrontPage, CSS, HTML hand-coding, PERL and JavaScript.

■ **IMPROVED COMMUNICATION for UBC's Graduate Student (Council) of the Faculty of Education** by providing new web site at <http://educ.ubc.ca/gsf>. This browser-independent, easy-to-navigate site is based on CSS (Cascading Style Sheets), and features an easily customizable JavaScript-based site menu incorporating a Google-based site search. As with other recently-developed sites, this is search-engine optimized and integrates user-tracking to support web analytics using server statistics (traffic) monitoring to guide site refinement.

■ **CREATED AND SEARCH ENGINE OPTIMIZED** DataCentrik Solutions' web site at www.datacentrik.com.

RESULT: DataCentrik Solutions regularly receives requests for quotations as a result of its high online visibility and quality content. Datacentrik.com is an easy-to-navigate site receiving first place search engine ranking for many competitive keywords including [Vancouver programming](#) and [Vancouver software](#).

■ **DECREASED CLIENT HEADACHES WHILE INCREASING RELIABILITY OF SERVERS AND WORKSTATIONS** by developing and applying data loss prevention techniques. Downtime was minimized and complete system restoration took only a small fraction of the time normally required, with no or minimal data loss.

■ **REDUCED SYSTEM DOWNTIME AND BUSINESS VULNERABILITY TO DATA LOSS BY MONITORING AND MAINTAINING REMOTE WINDOWS NT/2000 SERVERS.** Also built and reliably setup new Windows 2000 and 2000 Server machines. Provided on-site hardware, software and network support.

■ **EASED STAFFING REQUIREMENTS AND INCREASED CLIENT SATISFACTION BY PROVIDING SYSTEM SETUP AND MAINTENANCE, HARDWARE AND SOFTWARE SUPPORT** as well as computer training. Reported to president.

■ **CO-ORCHESTRATED AND MONITORED E-MAIL MARKETING CAMPAIGN to generate awareness of BCIT's new Technical Writing Program.** See www.datacentrik.com/newsletter.html for sample newsletter.

RESULT: Thousands of BC employers and hundreds of potential students learned about this new program through [personalized](#) email. Crafted in consultation with the Program Director and BCIT's Marketing department, this campaign targeting 5,000 opted-in email list recipients netted a "unique open rate" of 40 per cent.

EMPLOYERS

DataCentrik Solutions Inc., Vancouver, BC 2002–present (I am one of two principals)

I.T. Systems Inc., Vancouver, BC 1998–2002

Corporate Communications Training College Ltd., Vancouver, BC 1991–1997

Institute for Space and Terrestrial Sciences, University of Waterloo, Waterloo, ON 1989

Computer Science Department, University of Waterloo, Waterloo, ON 1988–1990

EDUCATION & ONGOING PROFESSIONAL DEVELOPMENT

E-Commerce Solutions Developer (2 year) diploma program, Toronto, ON 2001

The Institute for Computer Studies, a post-graduate information technology business school

Integrated Studies program, University of Waterloo 1984-1988

Areas of Study: Software development, analog and digital electronics design, software implementation and design of digital filters for simple speech processing