

# Andrew du Toit

## SUMMARY

A computer professional with twenty years of experience in all phases of the systems development life cycle for a wide variety of application types (air traffic control, graphics, database, object oriented, user interface, engineering, etc.) on WINDOWS, UNIX, and DOS platforms. Ten years running an on-site computer service company providing a wide range of services to business and residential customers (<http://members.shaw.ca/compu-doc>). One year as a staff manager for group of eight consultants. Nine years of technical support resolving hardware and software issues by phone, internet, and client site visits. Five years as a consultant on a variety of projects for satisfied clients. Nine years as a webmaster for profit and non-profit organizations (and a personal website – <http://members.shaw.ca/andrewdt>).

## EDUCATION AND QUALIFICATIONS

Diploma of Technology in Computing – Science Option. Camosun College, Victoria, B.C.

Bachelors Degree in Information Technology equivalency certified by Foundation for International Services, Inc. – 03/02

Microsoft™ certified in Programming in C++.

Advanced programming in 'C' – University of British Columbia - 1994.

Brainbench™ certified in C, C++ and HTML programming, and High IT Aptitude (problem solving skills) – see <http://www.brainbench.com> for further details.

Diversity training (dealing with cultural differences and different personality types) – Ajilon Consulting.

Languages : C, C++, VC++, HTML, VB, Unix Bash/K shell script, Visual Fortran, SQL, PASCAL, Modula-2.

Operating systems : Sun Solaris Unix, Windows 3.1-8, Linux (Ubuntu, SUSE, etc), Windows NT Server, Mac-OS.

Development tools: MS Developer Studio (MFC, STL, ATL, VSS, COM, ODBC, ADO), WIN32 API, Rational (Rose, Clearquest, Clearcase, Xddts), GNU (C/C++/Xemacs, DDD), PVCS, MAPI SDK, VI, Visio professional, WATCOM C.

Software packages: MS Office, Open Office, Dreamweaver, Adobe Photoshop/Acrobat, Zone Alarm, FTP Explorer, Netscape, MS Exchange Server, ACDSee, GIMP and others.

Databases: MS Access, Oracle, Watcom SQL, Open Office Base.

Other job skills: Technical Writing (manuals, help files, bulletins, newsletters), Business Analysis, Object Oriented analysis and design, GUI design, mentoring junior programmers, teamwork, hosting workshops and technical seminars, training users in groups or one-on-one, technical support, high level or detailed problem analysis and resolution, unit and regression testing, application support in a production environment, hardware assembly, network cabling.

Special Interests: Internationalization of software(dynamic date/time/currency notations), WHMS, GIS, database design and interfaces, air traffic control applications, scientific and engineering applications, MS Outlook forms, SNMP.

Current Studies: Java, DHTML, .NET (VB, C++, C#, ADO, ASP), XML, PHP, Network security, linux administration, client-server methodologies.

Foreign Languages: Some Spanish, some French.

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## **WORK EXPERIENCE** (see <http://members.shaw.ca/andrewdt> for full details)

Web Master (eight websites – see *LINKS* page on personal website) *April '98 – 2008*

Computdoc Consulting      Proprieter *Sept '03 – Present*

Computer tuneups, hardware and software troubleshooting, hardware upgrades, OS reinstallation, networking, peripheral setup (printers, scanners, cameras, routers, switches, POS, etc), tutoring, website design and maintenance, graphic design. audio & video file conversion, technical writing, ergonomic consultations, antivirus/office/graphical editing/accounting/other specialized software configuration. Support of Windows, MAC, and linux platforms.

Ajilon Consulting, Inc.      Staff Manager *June '02 - June '03*

Responsible for eight other Ajilon consultants. Duties included participating in salary and performance reviews, and acting as advocate for the consultant when needed.

Ajilon Consulting, Inc. - CPDLC1a Project Senior Software Engineer *April '03 – June '03*

Controller Pilot Data Link Communications – a secure, dedicated, private messaging network designed to eliminate verbal miscommunication of crucial messages between pilots and controllers by printing them out in the cockpit on a teletype-style device.

Ajilon Consulting, Inc. - CTAS Project Senior Software Engineer *May '01 – March '03*

Aircraft arrival scheduling application (based upon a working *NASA* prototype) in a mixture of C and C++ on Sun Solaris workstations.

Ajilon Consulting, Inc. - IIM Project Senior Software Engineer *January - March '01*

Internet email extension to a proprietary telephone messaging application on a Windows NT platform.

Ajilon Consulting, Inc. - Liquid Solver Project Senior Software Engineer *April – Dec. '00*

A COM component to perform water distribution system analysis/ hydraulic engineering. Developed using a mixture of VC++, MFC, STL, ATL, and Visual Fortran.

IMI Systems Inc. - Exchange-IBM Project Senior Software Engineer *Oct. '98 – March '00*

Redesigning, completing and documenting an email gateway application for a text-only message system (IBM Advantis) and MS Exchange & mainframe email.

Gemcom Software International Inc Programmer/Analyst *April '89 - February '98*

GEMCOM is a world leader in the development of computer applications for the mining industry to support the exploration, design and ongoing operation of open-pit, underground, and block-caving mine facilities. These applications involve a complex user interface, extensive database interaction, database backup & restoration, data transfer between applications, graphical data preparation/hardcopy output, and extensive use of shared function libraries. GEMCOM also has a line of workplace safety applications (WHMS).

Dynapro Systems Inc. Junior Programmer/Analyst *October '87 – December '88*

Dynapro specializes in real-time applications for industrial process control and case-hardened hardware.