

ALTON ING

1234 Doran Road
North Vancouver, British Columbia
CANADA
V7K 1M7

+1 (604) 904-7770 (HOME)

+1 (778) 241-2006 (MOBILE)

+1 (703) 940-7435 (FAX)

alton@interlog.com (E-MAIL)

http://www.interlog.com/~alton/alton_ing_resume.htm (HTML)

http://www.interlog.com/~alton/alton_ing_resume.doc (WORD)

http://www.interlog.com/~alton/alton_ing_resume.pdf (PDF)

PROFILE

Process control, systems integration and business process optimization. Experienced from low-level custom electronic hardware design through to workflow, system architecture, budgeting, infrastructure and resource planning. Customer satisfaction driven and continuous improvement focused.

EDUCATION / CERTIFICATION

1998 SAP ABAP/4 CERTIFICATION

SAP Canada (Lambton College) in Sarnia, Ontario
(July 10, 1998)

1996 CERTIFIED NOVELL ENGINEER (CNE 4)

Internet Training Group (July 27, 1996)

1988 MASTER OF APPLIED SCIENCE (MaSc)

Institute of Biomedical Engineering,
Department of Electrical Engineering, University of
Toronto

1986 BACHELOR OF APPLIED SCIENCE (BaSc) with HONOURS

Electrical Engineering, University of Toronto
(RANKED 10 OF 110)

AWARDS AND SCHOLARSHIPS

1998 DUPONT SERVICE AWARD

DuPont Canada Corporate Centre - Materials,
Logistics and Services

1986-88 POSTGRADUATE SCHOLARSHIP

Natural Sciences and Engineering Research Council
of Canada

1986 Centennial Thesis Award

for RECURSIVE REAL-TIME DIGITAL FILTER

1986 J.E. Reid Memorial Prize

for COMMUNICATIONS ENGINEERING

1982-86 UNDERGRADUATE SCHOLARSHIP

Mary H. Beatty Admission Scholarship

SUMMARY OF TECHNICAL SKILLS AND EXPERIENCE

TECHNICAL SKILLS

EXPERIENCE (years)

APPLICATIONS

Exchange 2000 (4), IIS5 (4), Sendmail (4), BIND (4), OpenLDAP (2), SAP
R/3 (1.5), Lotus Notes/Domino (2), NT Mail (1), Workflow (4), Document
Management (4), Material Control (1), Engineering (10), Scientific (10)

HARDWARE	Cisco Pix 515R Firewall (4), Cisco 1605R Router (5), Cisco Catalyst Switch (4), Dell PowerEdge 6350 and 2450 (2), HP 9000/700 Unix Workstation (4), Silicon Graphics Workstation (2), PDP-11 (1), IBM PC (10), Apple MacIntosh (1), 6809 (1), Z80 (1), 65XX (2)
OPERATING SYSTEMS	Win2000 Advanced Server (4), Windows XP (2), Fedora (1), RedHat Linux (4), Windows NT 4.0 Server (5), UNIX (14), Windows NT 3.51 Server (1), Windows 95 (1), Microsoft Windows 3.1 (4), MS-DOS (10), APPLE DOS (4), CP/M (4)
LANGUAGES	Java (4), VB 6 (4), Transact SQL (4), ExOLEDB ADO (1), CDO (2), ADSI (2), SAP ABAP/4 (1), JavaScript (2), Lotus Notes/Domino (2), SQL (4), PowerSoft PowerMaker (.5), PERL (2), HTML (6), Visual Basic (2), C (2), Pascal (1), Fortran (4), BASIC (4)
DATABASE	SQL Server 2000 (4), MySQL(4), Exchange 2000 Web Storage System (3), Win2000 Active Directory (4), Lotus Notes (2), Oracle (.5), MSAccess (2), dBASE (2), Paradox (1)
SOFTWARE TOOLS	CVS (2), Subversion (1), Visual Source Safe (4), Outlook 2000 (4), Saber Circuit Simulation (.5), Powerview Schematic Capture (.5), Excel (4), Lotus 123 (4), PCAD (1), CADStar PCB Layout and Schematic Capture (1), MathCAD (.5), TimeLine (1), Microsoft Project (10)
NETWORKS/PROTOCOL	Windows 2000 Server (4), Novell Netware (2), Unix TCP/IP (14), Windows for Workgroups (4), FTP Software PC/TCP (.5), Windows NT Server 3.51 (1), Windows NT Server 4.0 (5)

PROFESSIONAL EXPERIENCE

Director of IT, VLINX.com Inc Vancouver, British Columbia (*Jan 1999 - Present*)

- Built up global IT Department from staffing organization and infrastructure planning to budgeting, establishing corporate policies, process control, team building and conflict management
- Established and exercised procedures for security policy, emergency disaster recover, infrastructural standards, naming conventions, development process control, release management, issues management and continuous improvement planning
- Designed and implemented system architecture for international sourcing and procurement SCM process integration using XML, J2EE, MS.NET and COM+ technologies.
- Financial and process integration with MS Great Plains 7.5.
- Completed global rollout (US, Canada, China, Thailand, Malaysia) and multi-domain Windows NT migration to Windows 2000 Active Directory, Exchange 2000 Server and SQL Server 2000. Bulk Conversion utilized ASDI, CDO for Exchange Management (CDOEXM).
- Designed infrastructure for international workflow applications (sales, customer, transaction and issues management) using globally distributed Exchange 2000 Servers, Web Storage System, Windows 2000 Active Directory, Outlook 2000, Outlook Web Access, WSS Event Sinks and Web Form Registration
- Integrated disparate mixed-mode systems: Sendmail and Exchange 2000 mail routers, Windows 2000 Server and RedHat Linux 6.2, SQL 2000 and Exchange Web Storage System, Unix OpenLDAP and Windows 2000 Active Directory, Unix DNS BIND and Windows 2000 DNS, Cisco PIX515R and 1605R
- Designed and implemented multi-point Virtual Private Network between international offices in San Francisco, Vancouver, Beijing, Bangkok and Kuala Lumpur

- Implemented highly-available, redundant, multi-tier datacenter consisting of: failover Cisco PIX firewalls, failover DNS and mail hub servers, load-balanced IIS5 web and COM+ application servers, clustered SQL2000 multi-processor servers
- Established program partner integration via XML, HTTP, FTP and SMTP

SAP ABAP CONSULTANT, ISM-BC
Vancouver, British Columbia (July 1998 - Aug 1999)

- Completed 2 Full SAP Implementations for Insurance Corporation of British Columbia (ICBC)
- Integration of 3 major business units. Data conversion and process migration from mainframe to client-server. System integration with EDI, IDOC and IBM Message Queue.
- Material Management (MM) Implementation achieved a 22 Million conversion effort over 4 weeks at 7x24 loads
- Accounts Receivable (AR) Conversion achieved a 10 Million transaction load
- Capacity planning and fault tolerance reviewed for each implementation
- Customized Bolt-On SAP Dialog Program was developed for Collections Department
- Achieved Real-time interfacing (outbound/inbound) to multiple Legacy systems using EDI/IDOCs and tRFCs
- SAP Workflow implemented for EDI/IDOCs and custom applications
- User Exit redundancy and batch processing solution was accomplished with SAP Workflow and IDOCs
- Communication between 3270 emulator and SAPGUI was resolved using Visual Basic OLE Automation as a proxy
- Web transactions implemented with IIS Active Server Pages and Lotus Notes Domino Server with COM Objects and tRFC

DOMINO/NOTES DEVELOPER, COMPUTER SCIENCE CORP / DUPONT CANADA
CORPORATE OFFICE
Mississauga, Ontario (Jan 1998 - May 1998)

- Implementation of DuPont Canada Lotus Notes servers satisfied DuPont Global mandate and resolved Office Vision/VM Year 2000 non-compliance
- 3 months required to migrate 8 Office Vision/VM and SAS Corporate applications onto Domino/Notes Production servers for 6000 users across Canada. All contractual agreements with DuPont Canada have been satisfied at deadline. **Received DuPont Service award from Materials, Logistics and Services department at DuPont Corporate Centre for surpassing customer expectations.**
- To accommodate non-Notes Users during the transition phase to Lotus Notes, every Notes Application developed is Domino enabled for both non-authenticated and authenticated usage. To minimize training and support costs, all applications implement intuitive point-and-click navigation. Javascript enhances Domino validation on the client side.
- DuPont Canada Corporate Intranet Domino Web Site developed to replace Main Menu on Office Vision/VM. Domino Web Site allows multiple corporate units organized in workgroups to create, edit, publish and archive web pages using Lotus Notes Client. All menu functions equally accessible to both Web browsers and Notes Client with bilingual (English/French) support.
- Service Requisition and Workflow routes user requests to appropriate service workgroups. Requests, centrally organized in "To Do List" format, allow service workgroups and requesters to privately track status. Notes reports cost and frequencies for monthly ISO9000 updates and SAP R/2 updates. All requests can be re-routed to other service workgroups or forwarded to external suppliers/vendors via public Internet.

- DuPont Canada Employment Opportunity & Nomination System for Human Resources publish employment opportunities to DuPont employees globally. Nominations for employment opportunities are submitted by employee, completed and approved by manager, reviewed by interviewers and archived by Human resources ... all confidentially using either a Web browser or Notes Client.
- Restaurant Menu Ordering resembles classical Order-Order Item relational system. Menu items description, cost, labour, GST, PST and liquor tax are maintained by authorized restaurant personnel, without assistance of system administrators. Intuitive navigation between menu, order entry and order submission is achieved using either Notes environmental variables or HTTP cookies. Notes production reports compile delivery schedules and accounting reports summarize financials for SAP R/2 System. Customer confirmation and cancellation requests are implemented.
- Web-Enabled Resource Reservations supplement Notes templates Room Reservation (R4) and Resource Reservations (R4.5) with web friendly interfaces. Two-step resource availability checks enhance conflict avoidance.
- DuPont Canada Course Registration allows DuPont employees to search availability, schedule and cancel for DuPont sponsored courses. Notes reports captures utilization vs capacity and cost allocation for SAP R/2 tracking.
- Stationery Purchase Orders submitted by authorized personnel and processed by order administration group. Orders are forwarded to external suppliers/vendors by utilizing Notes form rendering capabilities. Customized catalogs and financial reporting for multiple vendors. Monthly summaries for SAP R/2 by vendor and SAP allocation codes.
- Miscellaneous Sysadmin Utilities include automatically updated mail distribution groups, one-step HTTP Password updates and generic mail-enabled forms.

SYSTEMS ENGINEER, INSIGHT INFORMATION, Toronto, Ontario (Nov 1996 - Jan 1998)

- Corporate Domino Web Site includes Corporate Profile, Product Information, Customer Order System
- Domino Customer Order System uses JavaScript, Cookies and Notes Agents to access Product Information and Pricing from Notes Database
- Office Administration System contains Approval Notification via Notes Messaging, generates Absenteeism Reports for head office and implements hierarchical security for Administrators, Managers and Employees
- Purchase Order System delivers PO via Internet Mail, generates unique PO Numbers, and Sends Notification for Approval via Notes Messaging
- Sales Reporting System accesses Paradox databases via ODBC and delivers daily sales reports via Notes Messaging
- Broadcast E-Mail delivers messages to subscribers in Notes Database
- Installed Lotus Notes 4.52 Domino Server with SMTP MTA, Domino Web Server, Lotus Organizer 97 Group Scheduling, Act for Notes 1.5 and Custom Notes Workflow applications
- Lotus Notes Clients set up on Windows 3.1/ 95 / NT and MacIntosh Workstations for both LAN and Mobile usage
- Bridged Pegasus Mail for Netware and Lotus Notes Mail systems by forwarding UUCP and SMTP mail between two Internet domains
- Characterized, Assessed and Documented Network Configuration for Proposals to enhance Topology, Servers, Workstations, Printers, E-Mail, Connection Costs and Tape Backup System
- Migration from Novell Netware 3.12 to Windows NT Server 4.0 on 80 user Token Ring / Ethernet Network that spans two floors in downtown building
- Supervised and debugged cabling to 568A specification for Token Ring and Ethernet applications
- Network expansion from 40 to 80 users including Ethernet Hub cascading / Token Ring MAU re-configuring and workstations patch-in

- Bridged Windows NT, Novell Netware and AppleTalk Networks with Gateway Services for Netware / Services for Macintosh and configured printer servers for simultaneous Novell RPrinter and NT LPD emulation
- Windows 3.1 to Windows 95 / Windows NT Upgrades for either Netware or NT Login or dual Login
- Configured LAN for Class C Internet using ISDN Router for both Token Ring and Ethernet segments
- Specified and implemented DNS for primary and secondary zone files that are Bind compatible
- Configured DHCP for Windows NT, Windows 95 and Windows for Workgroups on Token Ring and Ethernet subnets
- Configured laptop and home computers for Remote NT Login via Internet

NETWORK CONSULTANT, KAVAL Telecom, Markham, Ontario (Mar 1997 - Dec 1997)

- Punched down, cabled and patched-in Low-Cost 15 Windows 95 Workstations and 1 Apple Macintosh for Windows NT Server 4.0
- Cost-Effective hourly Internet E-mail using NTMail SMTP Relay Host and NTMail AutoDial POP3 Retrieval via 28.8k Modem
- Simultaneous Web Access using Microsoft Proxy Server with AutoDialler and 28.8k Modem
- Windows 95 FAX Server for Shared FAX using single telephone line
- NT Remote Access Server installed for Remote Users and Laptops
- Installed UPS, Daily Tape Backup and Disk Mirroring for Fault Tolerance

PRODUCT DESIGN ENGINEER, FORD Motor Company, Electronics Division, Markham, Ontario (Aug 1992 - Nov 1996)

- designed the "Ford World-Wide BOM". An efficient ISO9000 compliant Bill of Materials workflow system that uses a Unix httpd backend and Netscape front end browser via the Ford Internet. It is being nominated for the "Ford customer-driven quality award".
- implemented the "Markham Machine BOM" which reconciles the inventory records against component placement machine programs. Extensive amount of man-hours saved, hundreds of errors discovered and thousands of dollars recovered
- formed a team to define workflow and Entity-Relation Diagrams for Oracle database model
- developed an FRT Automated Reporting System. The system joins tables from dissimilar corporate databases (Oracle). Using the MSJet/Access engine for ODBC SQL queries, data is consolidated and text/graphical reports are quickly generated.
- wrote the "SOF Compare", a Visual Basic network application that audits changes to Printed Circuit Board Layout prior to committing PCB Artwork.
- product design engineer for Air Bag Diagnostic Monitor. Resolved production concerns at automotive assembly plants (customer) and investigated legal field issues on end-customer vehicles
- team member of material cost-reduction and workflow efficiency committees. Generated and implemented ideas to increase profitability and accommodate downsizing.
- installed a Windows NT 3.51 Server to serve WWW and FTP on TCP/IP network and PPP access
- administering Novell Netware 3.12 File System for Engineering Group. Advising Novell Administrator on Netware 4.1 Migration for engineering activity. Novell network (500 users) uses TCP/IP protocol (on a Class A Internet SubNet) to accommodate a historically dominant Unix environment.
- setup a IBM PC Workstation for NetBIOS remote access and to serve FTP using FTP Software PC/TCP

PROJECT ENGINEER, Tectrol Inc., Toronto, Ontario (Nov 1988-Aug 1992)

- designed hardware and software for power supply protection features using Motorola microcontroller and 65XX assembler
- developed computer programs to estimate the physical and electrical characteristics of power transformer designs
- tested, debugged and repaired power supplies on production line in first month of training
- designed AC-DC, Power Factor Corrected, DC-DC and redundant switch-mode power supplies (100W TO 1kW) for computer, telecom, microwave radio and biomedical applications, some of which were microprocessor controlled
- conducted periodic project reviews for manufacturability, testability, reliability, cost- reduction and scheduling
- performed electrical and magnetic design calculations on Lotus and MathCAD; edited PCB Layouts on CADStar and PCAD; estimated schedules on TimeLine

RESEARCHER, University of Toronto. Contract with Defence and Civil Institute of Environmental Medicine (Jan 1987-Mar 1988)

- wrote Pascal programs on Silicon Graphics Workstation for Magnetic Resonance Imaging applications
- designed and instrumented equipment to measure mechanical shear impedance of human ear canal tissue using compiled statistic data
- coordinated human experimentation protocol for legal approval and submitted quarterly reports required for the production of artificial tissue

CIRCUIT ENGINEER, CyberWorks, Orillia, Ontario (Summer 1985)

- designed, implemented and documented Z80 computer and interface system to regulate motor speed and monitor encoders for automated device
- programmed, compiled and documented intelligent motion SOFTWARE in 'C' and Z80 assembler

RESEARCH ASSISTANT, University of Toronto (Summer 1984)

- design, developed and documented digital phase comparator with RF phase-locked loop tracking filters and PDP-11 interfacing hardware for subsurface radar system
- programmed Fortran subroutines for communications between PDP-11, custom hardware and Hewlett-Packard GP-IB data bus

REFERENCES

Available Upon Request