

# Robert Finch

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## Employment Experience

		Employer
2005-2011	Senior programmer / analyst	Scotiabank
1989-2005	Programmer / analyst	Scotiabank
1983	Van Customizer	Star-Craft
1981		Self employed

Languages English, French (Poorly)  
Java, Java script, C++, Visual Basic, HTML, assembler, Verilog

Languages

Toolsets Rational Rose, Websphere, Eclipse, Visual Studio, Webpack ISE

## Experience Details

Involved in a variety of banking systems including front-end systems with direct interfacing to customers and staff. Experience also with back-end batch systems.

Front-end data entry screens implemented with Java script, and a Java based host system interface.  
Systems included calculators, loan tools, and reporting tools.

Front end help screens, front-end data entry screens, Front-end results and reports, back-end reporting systems.

Banking systems worked with included Loans, Mortgages, Sales Compensation and Security

## Education / Qualifications

1986-1989      Conestoga College  
                  - Electronics Engineering Technology (EET) diploma obtained  
                  Microsoft Certified  
xxx              Professional  
1985            University of Waterloo - Science - first year completed  
1984            Secondary School Honours  
                  Diploma  
1981            Drivers License / Driver  
                  Training

## Personal Interests

writing  
photography  
engines  
modelling  
maps  
Movies  
physics  
electronics / FPGAs

## **Software Applications Developed**

Fortify Scan  
Sales Tools  
MDM Compensation System  
Customer Profitability Model  
Document Control System  
Mortgage Solicitation Letters,  
Mortgage Automation System,  
CMA - (Centralized mortgage administration system),  
Mutual Funds,  
Sales and Referral Tracking,  
Security - New retail lending application GUI,  
CLOM - (Commercial Lending system),  
Inventory Management System,  
Security Signon,  
Trust Upload Process,  
Budget - retail,  
Remote Print,  
Amortization calculator,  
Software Reviews/ Evaluations,  
PTIMS - Personal Trust Incentive Management System,  
Mortgage Score Card,  
T5 printing system,  
Signature Verification,  
T4/RRSP entry system

**Scotiabank**

Fortify Scans

(1 month)

- Responsible for running code fortification scans on application code base, and forwarding results to application groups.

**Scotiabank**

MDM Compensation System ( 3 years)

- System for calculating sales commission compensation for mortgage development managers (MDM's). Commission calculation was complex, begin broken down by the MDM experience level and multiple sales targets for mortgage and insurance products.

**Use of Time:** 25% analysis, 25% coding, 50% unit testing.**Technical Environment:** IBM net vista workstation. Microsoft Windows 9x / Embedded tables / Microsoft Access 2.0 / Microsoft SQL server**Scotiabank / National Trust Company**

DOCS – Document Control System (3 years)

Visual Basic 6.0 language developer, developing applications in a distributed systems environment. Worked closely with business group to develop the DOCS application. Lending document / form selection and printing tool.

**Use of Time:** 25% analysis, 30% coding, 45% testing.**Technical Environment:** IBM 486/586 workstation. Microsoft Windows 9x / Microsoft Visual Basic 6.0**Scotiabank**

Sales Tools Calculators

(6 months)

- Sales Calculator helps screens and calculator wizard. Web server based java application.

**ScotiaBank**

Customer Profitability Model  
(6 months)

- Commercial Customer profitability model spreadsheet, data downloaded from a webserver. Spreadsheet editable remotely without the server being present.

**National Trust Company**

Mortgage Solicitation Letters  
(2 months)

- solicitation letter printing and file updates and also automatic file updating/managment using C++/MFC/Windows 3.11 and Word 6.0 Macros/Word BASIC.
- responsible for application setup under Windows NT (AST 486DX2-66 PC HP4SI laser printer)

**National Trust Company**

PTIMS - Personal Trust Incentive Management System  
(3 months)

PTIMS performs reporting / compensation calculations for commissioned sales people)  
Reports are broken down by province/region/branch, monthly, yearly, account manager  
(detailed and summary) using MS Access 1.1.

**Use of Time:** 35% analysis, 20% coding, 45% testing.

**Technical Environment:** IBM 486/586 workstation. Microsoft Windows 9x / Microsoft Access 1.1

**National Trust Company**

September 1992 - 1993

DOCS

Visual Basic 6.0 language developer, developing applications in a distributed systems environment. Worked closely with business group to develop the DOCS application. Lending document / form selection and printing tool.

**Use of Time:** 25% analysis, 30% coding, 45% testing.

**Technical Environment:** IBM 486/586 workstation. Microsoft Windows 9x / Microsoft Visual Basic 6.0

**National Trust Company**

September 1992 - 1993

T5 / Releve3

C language developer, developing applications in a distributed systems environment. Worked closely with business group to develop T5 / Releve 3 tax form printing application.

**Use of Time:** 25% analysis, 30% coding, 45% testing.

**Technical Environment:** Olivetti 286 workstation. Toshiba Laptop / Microsoft DOS 4.x / Microsoft C version 6.0 / Plink86 overlay linker. DBC toolkit. Norton Utilities WordPerfect.

**National Trust Company**

September 1992 - 1993

CLOM – Commercial Lender On the Move.

C language developer, developing applications in a distributed systems environment. Worked closely with business group to develop CLOM application. Application was a commercial lenders toolkit residing on laptops.

**Use of Time:** 25% analysis, 30% coding, 45% testing.

**Technical Environment:** Olivetti 286 workstation. Toshiba Laptop / Microsoft DOS 4.x / Microsoft C version 6.0 / Plink86 overlay linker. DBC toolkit. Norton Utilities WordPerfect.

**National Trust Company**

September 1989 - 1992

C language developer, developing applications in a distributed systems environment. Worked closely with business group to migrate mortgage application, from a DBASE III+ application into a 'C' language application.

**Use of Time:** 15% analysis, 40% coding, 45% testing.

**Technical Environment:** Olivetti 286 workstation. / Microsoft DOS 4.x / Microsoft C version 6.0 / Plink86 overlay linker. DBC toolkit. Norton Utilities

**National Trust Company**

July 1989 – August 1989

C language developer, developed an amortization calculator and report generator. This was an application running originally on a mainframe COBOL environment that was converted to a PC / Workstation 'C' / DOS environment.

**Use of Time:** 5% analysis, 50% coding, 40% testing.

**Technical Environment:** Olivetti 286 workstation. / Microsoft DOS 3.x / Microsoft C version 6.0

**Starcraft Inc. Listowel Ont.**

December 1986 – January 1987

Shipping Cost Calculator

Worked closely with the shipping department to develop a cost calculator. Used Applesoft BASIC to develop a shipping cost calculator and manifest printer for packages shipped by United Parcel Service and Canpar.

**Use of Time:** 10% analysis, 40% coding, 50% testing.

**Technical Environment:** Apple II+ workstation, running Applesoft BASIC.

Operating Systems:	Languages	Databases
Applesoft BASIC	Applesoft BASIC	Microsoft SQL Server
DOS 3.x	Commodore BASIC	Microsoft Access
DOS 4.x	Tiny BASIC	DBASE II+ / DBASE III
DOS 5.x	68000 assembler	Flat files
DOS 6.x	X86 assembler	ADO DB
UNIX	C	ODBC
Windows 3.x	C++	Clipper 5.2
Windows 9.x	Java	
Windows NT	Visual Basic 6.0	
Windows NT server	MS Access 1.1	

Olivetti M462,M250,250e workstations  
Olivetti LSX5000/3000 series UNIX servers  
Olivetti x486 based servers  
IBM NetVista Workstations