

# Harvey Orom

## Software Developer and Testing Specialist

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### Software Expertise

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|---|-------------------------|-----------------------|--------------------------|
| • Mercury WinRunner (certified) (8 years) | • Vax Basic (10+ years) | • MVS JCL (10+ years) | • PowerHouse (10+ years) |
| • QuickTest Pro (2 years)                 | • VMS (10+ years)       | • TSO/ISPF (3 years)  | • COBOL (7 years)        |
| • TestDirector (3 years)                  | • SQL (4 years)         | • RMS/ Rdb (7 years)  | • MS Office (7 years)    |
| • Unix (1 year)                           | • Oracle (1 year)       | • QALoad (4 months)   | • PL/I (6 mths)          |

### Summary of Skills

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#### Team Leader

- Team lead for many software testing and development teams. Team sizes have varied from 2 to 10 members.
- Mentoring and training skills honed by 6+ years of teaching experience in private industry, government, colleges and high school.

#### Quality Assurance and Testing

- Over 20 years devising and executing test plans.
- Highly skilled in test planning, execution and defect tracking.
- Developed automation testing architectures for web, client/server and mainframe applications
- Wrote test automation training manuals and mentored clients
- Developed several hundred automated test scripts
- Converted large suite of scripts from WinRunner to QuickTest Pro
- Certified in Mercury TestSuite (WinRunner and TestDirector).
- Experienced in QALoad Performance testing tool from Compuware.
- Developed and delivered training seminars for testers.

#### Business Analysis

- Documented business rules and preparing functional decomposition diagrams, data flow diagrams and logical data models.

#### Systems Analysis and Design

- 20+ years experience preparing detailed design specifications for many large systems.

#### VMS Programming

- 10+ years of experience in designing, developing and maintaining software in Powerhouse 4GL, Basic, RDB and DCL in the VMS environment.

#### IBM MVS Programming

- 10+ years on IBM mainframes as a programmer/analyst using COBOL, PL/I, IMS, DB2, JCL, TSO and MARK IV.

## Work History

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- 2009/10 – present**  
EDS Advanced Solutions
- Powerhouse software developer (Contractor)**
- Enhancement of the Oil and Gas Royalty Management system using Cognos Powerhouse.
- 2009/05 – 2009/06**  
BC Pension Corporation
- Test Automation Engineer**
- Developed QuickTest Pro architecture and scripts to test public and internal web applications. Updated QTP training and usage manual.
- 2009/01 – 2009/03**  
EDS Advanced Solutions
- Powerhouse software developer (Contractor)**
- Enhancement of the Oil and Gas Royalty Management system using Cognos Powerhouse.
- 2007/09 – 2008/09**  
BC Pension Corporation
- Tester and trainer**
- Manual testing of main Pension application
  - Train in-house staff to use WinRunner , SQL and QTP
  - Convert WinRunner scripts to QuickTest Pro
- 2007/01 –2007/04**  
EDS Advanced Solutions
- Powerhouse software developer (Contractor)**
- Maintenance and enhancement of the Oil and Gas Royalty Management system using Cognos Powerhouse.
- 2006/11 – 2007/02**  
BC Ferries Corporation
- Test automation engineer and trainer**
- Develop strategies for using WinRunner with Oracle Human Resources
  - Train in-house staff to use WinRunner
  - Develop several WinRunner scripts
- 2006/08 – 2006/09**  
BC Pension Corporation
- Test automation engineer**
- Convert WinRunner scripts to handle Oracle thin client application
- 2005/01 – 2006/03**  
BC Pension Corporation
- Test automation engineer**
- Create and manage WinRunner scripts to regression test functionality of Oracle Portal web site
  - Create and manage QALoad scripts to regression test performance of Oracle Portal web site
- 2003/10 –2006/04**  
BC Ministry of Provincial Revenue
- Powerhouse software developer (Contractor)**
- Maintenance and enhancement of the Oil and Gas Royalty Management system using Cognos Powerhouse.
- 2004/01 – 2004/03**  
BC Pension Corporation
- Test Automation Trainer (Contractor)**
- Development and delivery of WinRunner training for developers and testers.
- 2003/10 – 2003/12**  
Jim Evans and Associates Ltd.
- Test Automation Consultant and Trainer (Contractor)**
- Assist client with pilot of WinRunner test automation tool. Provide training and mentoring and a model for implementation.
- 2002/11 – 2003/07**  
BC Pension Corporation
- Test Automation Engineer and Backup Test team lead (Contractor)**
- Development of automated functional and performance tests using WinRunner in a web and a client-server environment
  - Joint test team lead for a team of 6 to 8 testers, planning and managing manual and automated testing
- 2001/05 – 2002/06**  
Government of BC (CITS)
- Quicktest Pro Specialist (Contractor)**
- Consulted to CITS (Common Information Technology Services) to implement QuickTest Pro for automated testing of a web-based application. Developed training materials and strategies for QuickTest script development.

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## Work History

**2001/03 – 2002/03**  
IBM / BC Ministry of Health

### **Test Team Lead (Contractor)**

- Team lead for six testers on a large data warehouse development project for the Ministry of Health. ( Unix, Oracle, ETI, Perl, MicroStrategy project)
- Developed and executed WinRunner scripts to test the online portion of the system.
- Responsible for high-level and detailed test planning, test execution and test management. Used TestDirector to develop and execute detailed test plans.
- Managed the recording and analysis of defects.

**2000/10 – 2001/02**  
Chicago Board Options  
Exchange

### **Lead Test Engineer and Architect (Contractor)**

- Installed WinRunner and TestDirector for the client, and after researching the application, developed a data and function-driven architecture for automating existing manual test cases.
- Successfully implemented this architecture, and developed documentation and training material.

**1998/09 – 2000/06**  
BC Pension Corporation

### **Test Automation Engineer (Employee)**

- Led a team to select an automated testing tool and prepared plans for introducing and utilizing automated testing.
- Developed test scripting standards and developed data driven test scripts to test an Oracle Forms application using WinRunner and TestDirector.
- Performed the Year 2000 analysis, conversion and testing of three IBM mainframe systems, including Walker G/L.

**1995/02 – 1998/07**  
Ministry of Education, BC

### **Senior Systems Analyst and Team Leader (Employee)**

- Lead business analyst, systems analyst and project coordinator for a team ranging from two to four programmer/analysts. These teams produced two complex PowerHouse/Basic systems – the Personal Education Number system and the Student Level Data System.
- Maintenance team leader, responsible for eight PowerHouse applications.
- Directing and participating in the QA of new releases of software.

**1994/04 – 1995/01**  
BC Systems Corporation

### **Senior Business Analyst (Employee)**

- Business analyst for the Post-secondary and Labour divisions, as well as coordinating the work of the other business analysts in the Ministry of Skills, Training and Labour. Developed two Information Systems Plans.

**1984 – 1994**  
BC Ministries of Education and  
Advanced Education

### **Senior Systems Analyst (Contractor)**

- Team leader and lead analyst for the development and support of several PowerHouse systems. These included: Personnel Inquiry System, Language Bursary System, Grade 12 Transcript and Exam System, BC Student Loan System and the Canada Student Loan System.
- Combined the role of Business Analyst and QA manager for the projects.

**1978 – 1984**  
BC Buildings Corporation

### **Systems Analyst (Contractor)**

- Responsible for the maintenance of the MSA A/P package running on an IBM mainframe. Wrote custom modules in COBOL to enhance the package for the client and provided after-hours monitoring of critical processes. Developed a personnel system in COBOL and an energy accounting system using BASIC.
- Participated in the design and development of a replacement A/P system.

**1976 – 1977**  
Pro-Data Services, Edmonton

**Systems Analyst (Contractor)**

- Senior analyst, chief programmer and team leader for the design and implementation of a major data base for the government of Alberta. Developed and presented Structured Programming and Structured Maintenance courses (COBOL) for Alberta government personnel. Developed an employee housing system for Great Canadian Oil Sands.

**1973 – 1976**

**Senior Instructor: Northern Alberta Institute of Technology**

Designed and taught courses in systems analysis, business analysis and programming.

**1972 – 1973**

**Programmer Analyst: Alberta Government Telephones**

Maintained the long distance and monthly billing application.

**1970 – 1971**

**Instructor and Programmer Analyst: Manufacturer's Life Insurance, Toronto**

Designed an IBM JCL course, and maintained application software using DETRAN and COBOL.

**1969 – 1970**

**Computer Systems Instructor: Cambrian College, North Bay, Ontario**

**1966 – 1967**

**Math and Physics Teacher: Rimbey, Alberta**

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**Education and Training**

Certification in Mercury WinRunner/TestSuite, 2001  
B.Sc., Computer Science, University of Alberta, 1969  
Standard S Teaching Certificate, Alberta, 1966

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**Professional Development**

- QA and Testing
- PowerHouse
- UNIX
- Oracle Forms
- Oracle DBA
- GUI Design
- Project Management
- Supervisor Training
- MS - Excel
- MS – Project

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**Excerpts from Reference Letters**

(Full text available on request)

*“His dedication to the job was demonstrated repeatedly through the quality of his work.”*

*“He has met extremely tight deadlines and is absolutely dependable in producing results.”*

*“Harvey’s work in both the systems maintenance and development was of the highest quality and was always accompanied with his good use of common sense.”*

*“I have no reservations, whatsoever, in giving Mr. Orom a very high recommendation.”*

*“He is a fair and honest individual who achieves without the need for supervision.”*