

Cory Womacks

About Me I'm a senior software development lead with over 15 years of industry experience in Enterprise and Cloud strong authentication technologies. Excellent references by request.

Professional Experience **Jan 2011 – Present** **Oracle Canada ULC** **Sherwood Park, AB**

Software Developer 4, IDM Cloud Division (Jan 2015 – Present)

In 2015, I transitioned to the Cloud division of Identity Management (IDM) under the Fusion Middleware (FMW) line, where I currently work as part of a small team responsible for the Cloud Gate (CG) OIDC/OAuth2 enforcement module for the Identity Cloud Service (IDCS) product.

Software Developer 4, IDM Enterprise Division (Jan 2011 – Dec 2014)

After the acquisition of Passlogix by Oracle, I accepted a position as Software Developer 4 at Oracle Canada ULC. I continued my work as dev lead for the Oracle ESSO-UAM product line. I also worked on the Oracle Authentication Manager (OAM) product using Oracle ADF technology.

Apr 2009 – Dec 2010 **Passlogix Inc** **Sherwood Park, AB**

Strong Authentication Development Group Lead

As the development group lead for the Passlogix v-GO Universal Authentication Manager product line, I led a team of several developers located in Canada, Russia, and the US. Working closely with PM and architecture, I was instrumental in designing and implementing a new strong authentication network logon product to complement the Passlogix v-GO Access Accelerator Suite. v-GO UAM leveraged proximity cards, smart cards, biometrics and other technologies to secure corporate networks. It was built as a pluggable authentication framework in C++ / COM.

Jun 2007 – Mar 2009 **IdentiPHI Inc** **Sherwood Park, AB**

Senior Software Development Manager (Nov 2007 – Mar 2009)

My role at IdentiPHI transitioned to that of dev manager/lead/office manager, heading a team of developers in the creation of enterprise security software. I helped define requirements and architecture, mentored developers and liaised with PM, QA, SEs, support, customers and partners. I designed and implemented areas of the SAFsolution product including UI, RPC/SSL communication, policy, smart card/biometric authentication, RDP/TS/Citrix support, Active Directory, auditing, localization and cryptography. I also designed a strong auth public SDK.

Senior Software Developer (Jun 2007 – Nov 2007)

As a senior software developer for IdentiPHI, my role included designing and implementing enterprise software with support for biometrics, smart cards and other security technologies in a Visual Studio Team System environment using C++ and other languages.

**Professional
Experience
(continued)**

Nov 2006 – May 2007

Software Consultant

Sherwood Park, AB

Senior Software Development Consultant

As an independent software development consultant, I worked on a number of large commercial projects in Visual Studio 2005 Team System and Subversion using C++, ATL, RPC, XML, XSLT and related technologies. I designed systems using biometric and smart card devices, created an automated build system and created MSI-based product installers.

Dec 2000 – Oct 2006

Saflink Corporation

Edmonton, AB

Principal Software Developer / Project Architect (Jul 2005 – Oct 2006)

In my role as principal software developer, I researched new technologies and assisted architecture and marketing groups with system and product feature definitions. I created several applications including a product licensing framework using .NET 1.1/2.0, C#, PKI and XML. I built an extensible application policy engine using SQL Server, Web Services, Web and Windows Forms. I also built a large web application in ASP.NET, C#, HTML, JavaScript and COM.

Senior Software Developer / Development Lead (Dec 2002 – Jun 2005)

As a senior developer, I created system requirements, architecture, design, implementation, unit tests and documentation in an Object-Oriented development process. I helped develop internal best practices and standards, mentored junior developers and taught several training sessions to introduce new features. I was the lead developer of the SAFauthenticator SDK product line. I led a U.S. government project to create a physical access control system using biometrics and smart cards and received a letter of recognition from the primary integrator.

Intermediate Software Developer (Dec 2000 – Dec 2002)

Following the acquisition of Jotter by Saflink in December 2000, my role as intermediate developer continued. I designed, implemented, tested, and reviewed code for scalable n-tier authentication middleware. Technologies used included C++, Visual Studio, ATL, STL, COM, COM+, Java, ActiveX, MMC, Active Directory, Novell e-Directory, BioAPI and Windows Installer. I worked on many projects including a product upgrade to provide smart card identification and authentication capabilities to the Novell NMAS platform using RSA PKCS#11, Sun Java Card™, ISO 7816 and Microsoft smart card and security standards. I added support for BioAPI-compliant biometric devices to our authentication framework. I also created a client/server auditing system.

Feb 2000 – Dec 2000

Jotter Technologies Inc

Edmonton, AB

Intermediate Software Developer

As an intermediate software engineer at Jotter, I designed and implemented enterprise and e-commerce applications in Java and C++, using standards such as EJB, JSP, HTML and XML. Platforms included WebSphere, Apache/IIS and IBM DB2. I created an Internet Bookmarks Agent for the Jotter form-filling toolbar. I developed an automated build process for the on-demand generation of affiliate builds of the Jotter toolbar which included a servlet/JSP website front-end integrated with Wise InstallBuilder to generate builds. I also built an automated Online Branding app allowing partners to brand their users' toolbar UI via a web interface.

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| Professional Experience (continued) | May 1995 – Jan 2000 | Precise Systems Corporation Edmonton, AB |
| | <p>Junior Software Developer</p> <p>My career at Precise consisted of a summer student role from May to August 1995, a 16-month U of A Industrial Internship from May 1996 to August 1997, and a full-time position as a junior developer from May 1998 to January 2000. Responsibilities included software development, customer support, training, administration and documentation in the field of document management software. I developed large applications in C, C++, Perl, Tcl/Tk in a SunOS/Solaris UNIX environment. I created and taught a 5-day product administration course for customers, and wrote several user and administration product manuals and online help documents.</p> | |
| Education | Sep 1993 – Jun 1998 | University of Alberta Edmonton, AB |
| | <p>Bachelor of Science with Honors, Computing Science</p> <p>I earned my bachelor's degree with First Class Honors while maintaining an 8.0-out-of-9 GPA. I completed a 16-month Industrial Internship working with Precise Systems. Technologies learned included C, C++, Java, Smalltalk, Pascal, Lisp and Perl in UNIX and Windows environments.</p> | |
| Skills & Training | <ul style="list-style-type: none"> • C/C++, Java, .NET/C#, REST/JSON/XML, COM, Linux, Windows, Win32, Active Directory • Visual Studio, Eclipse, Git/Gradle/Make, Cryptography/PKI/SSL/ECC, Biometrics, Smart Cards • Oracle Identity Management Products (Identity Cloud Services, Oracle Traffic Director) • Conferences Attended – SD West 2006, PDC 2005, OOPSLA 2004, CA World 2003 | |
| Achievements | <ul style="list-style-type: none"> • Rutherford Scholarship (1990-1993) • Governor General Bronze Medal (1993) • Chevron Academic Scholarship (1993) • Peace River Pioneer Memorial Scholarship (1993) • Canada Scholarship (1993-1996) • HP Calculator Award (1994) • U of A Undergrad Scholarship (1995) • Terence Holowach Memorial Prize (1995) | |
| Hobbies | <ul style="list-style-type: none"> • Reading, Music, Movies, TV, Video Games • Photography, Film Production, Mountain Biking • Edmonton Oilers Hockey, Edmonton Eskimos Football | |