

DARRYL G. CHAMPAGNE

11 Whidden Lane
Litchfield NH 03052
(603) 424-0323

dgc@acm.org <http://dchampagne.com>

Key Experience

- Extensive experience defining architecture, designing and developing C++ software infrastructure and applications, data synchronization, Web Services, software developer toolkits and Mobile software.
- Team Lead, designed, developed and documented the Intellisync data synchronization Software Developer's Kit (SDK).
- Extensive experience developing and implementing technical standards.
- Designed and developed SyncML synchronization web servers and mobile device clients.
- Vice-Chair, Co-Chair, Member, SyncML/OMA-DS standards committee.

Software Engineering Highlights

LANGUAGES: C++, C, Java, PHP, Perl, Assembly
OPERATING SYSTEMS: Windows, UNIX/Linux/Solaris, custom embedded systems
SKILLS: Technical team leadership, data synchronization, SyncML, OMA-DS, OMA-DM, Web Services, Mobile Device Development, Standards Development, Object-oriented design, XML, XSLT, DocBook, SOAP, ID-FF, SAML, ID-WSF, WS-*, producing developer tools

Professional Experience

Technology Evangelist, [Funambol](#) (*"The Mobile Open Source Software Company"*), Remote
January 2007 to October 2008

- Research technologies, develop prototypes, and analyze implementation alternatives.
- Develop C++ and Java Prototypes related to IMAP, ActiveSync and Data Synchronization.
- Enhance Wireshark/Ethereal TCP/IP Protocol analyzer WBXML support for ActiveSync and OMA-DS / SyncML 1.2, 2.0
- Benchmark and detailed protocol analysis between Microsoft Exchange Server ActiveSync to various mobile devices versus SyncML / OMA-DS.
- Present Technology at various technical meetings.
- Continue all activities previously done as an independent contractor.

Contract Software Engineer, [Funambol](#), Various others, Part-time, Remote
January 2004 to present

- Provide technical expertise in OMA-DS / OMA-DM / SyncML, including client design, specification clarification, and testing assistance.
- Represent company interests; assist in specification development with the [Open Mobile Alliance](#) (primarily of Data Synchronization group), [IETF](#) ([vCard/vCardDAV](#), IMAP / [SMTP](#) / [Lemonade](#)), [CalConnect](#), etc.

Vice-Chair OMA-DS, [Open Mobile Alliance](#) (*"The Center of Mobile Application Standardization"*)
March 2007 to Present

- Develop OMA-DS / SyncML 2.0.
- Assist Chair in running group, tracking and achieving release schedules, coordinating with, and presenting to other technical committees.

Contract Coordinating Editor, [*Liberty Alliance Project*](#) ("*Building open standard-based specifications for federated identity and identity-based Web services* ") via IEEE-ISTO, Remote

Full-time January 2004 to December 2006, Part-time January 2007 to September 2007

- Coordinate editors of Liberty Alliance Project technical specifications, including schema validation, consistency revisions, and generation of official release documents.
- Assist in development of technical specifications, and updating for Web Services (e.g. WS-Addressing).
- Develop tools for DocBook and other support tasks, assist in website development.

Principal Software Engineer, [*Openwave Systems Inc.*](#) ("*software applications and infrastructure for mobile and broadband operators*"), Burlington MA, March 2002 to December 2003

- Continued development of a multi-threaded web server for high performance Web Services implementations. Tuned to achieve 40 percent performance increase. Integrated SSL support.
- Continued SyncML activities, including co-chairing Datasync committee.
- Developed a SyncML compliant web-based data synchronization engine.

Software Architect, *Pumatech/Intellisync* (PIM Data Synchronization), Nashua NH

July 1997 to March 2002

- Representative to SyncML Committee. Editor and Reviewer of several specifications.
- Developed a SyncML compliant interface to a web-based data synchronization engine, including vCard / vCal / iCal parsers.
- Designed, developed, documented, and provided initial support for a software developer's kit (SDK) to allow access to a desktop data synchronization engine (See [SDK Brochures](#)). Led team through several successful updates.
- Redesigned synchronization engine to use Microsoft COM based interfaces.

Software Group Leader, *Spacetec IMC Corp. (Six Degree of Freedom Devices and Software)*, Lowell MA

December 1993 to July 1997

- Project lead for multi media projects, such as 3D Studio plug-ins.
- Designed, developed, and led team creating an AutoCAD add-in product, 3D-I Always, allowing for fully interactive motion of AutoCAD drawings with six simultaneous degrees of freedom. Included ACIS solid modeling support.
- Developed 3D Display list to allow for rapid display.

Education

- Graduate work in Formal Software Engineering & Computation Geometry; [Rensselaer Polytechnic Institute](#)
- BS, Computer and Systems Engineering; [Rensselaer Polytechnic Institute](#)
- Training in Java, Ada

Patent

- United States Patent 6,925,477: Transferring records between two databases. Awarded Aug 2, 2005