# John Roy

San Francisco Bay Area    ~    jobs@johnroy.com

## Experience

*November 2013 - Present*
**Mobile Developer, BabelRoom.com**
- Full stack developer with focus on Video conferencing on iOS 7 (iPad)
- iOS 7, Android, Phonegap / Cordova, Node.js, UIWebView, jQuery
- Codecs: H264, VP8, Opus, Speex. Languages: C, C++, Objective-C - XCode 5. Linphone

*July 2013 – October 2013*
**Python Consultant, Traction**
- 3 month engagement to build back-end for wine shopping experience at vinovolo.com
- Django, Python, Twitter Bootstrap, Backbone.js, FreeBSD, Rackspace

*March 2013  – May 2013*
**Principal Developer, BabelRoom.com**
- 2 month engagement to product launch
- WebRTC, html5, javascript, Node.js, nginx, cloud scalable, RoR, VoIP, C++, flash, front-end, server, MySQL, CentOS6

**Senior Software Engineer, ConnecTV.com, Emeryville CA**
*November 2011 – March 2013*
- Startup offering mobile based companion app for TV viewing
- Server Development, Nginx, Mobile UI, Python, PHP, basho riak, memcached, MySQL, Twitter/Facebook integration, Node.js, DevOps, Mobile UI, Multicast Networking

*November 2010 – October 2011*
**Co-founder and Technical Lead, Callspring.com, San Francisco CA**
- Startup offering a converged HD video conference solution with social networking integration
- Lead architecture, design and development of cloud based solution. This was a complete end-to-end system with billing and customer support sub-systems
- Ruby on Rails, JavaScript, jQuery, Ajax, Comet, CSS3, HTML5, MySQL, Linux, Amazon EC2 & S3, FreeSWITCH, Perl, lua, C/C++

*December 2008 – September 2010*
**Senior Software Engineer, GoldenGate, San Francisco CA**
**Principle Member of Technical Staff, Oracle America, San Francisco CA**
- Engineer on small team refactoring core software infrastructure layer in high-performance, high availability data replication product. Critical reliability environment
- Multi-threaded, TCP/IP and system level code in C/C++; Java (Hibernate) UI via JNI. XML.
- GoldenGate Software was acquired by Oracle in 2009

*April 2007 – December 2008*
**Database Kernel Engineer, SQLstream Inc, San Francisco CA**
- Founding engineer on core team alongside recognized technology leaders in relational messaging and streaming database fields.
- Technologies: Java – Eclipse/Intellij/Swing, JUnit, C++, CPPUnit, STL, boost, ACE, JDBC
- OS: Mainly Linux. Some Mac OS X & Windows. Heavy use of VMware/Parallels/VirtualBox.

*July 2005 – February 2007*

***Founder, CQSAT, Boston MA, San Francisco CA***
- An early stage venture by a group of technologists to develop a powerful, extensible deep static analysis tool for C/C++ software verification, profiling and optimization.
- C/C++ targeting Linux and Windows. Comprised over 50 different compilers, utilities, and filters which feed an optimized, inter-procedural, context-smart analysis engine. Perl, Python.
- Required in-depth theoretical research of compilers, C/C++ and static analysis algorithms.
- More information at [www.cqsat.com](www.cqsat.com). Partially contributed to Open Source [cqsat.sourceforge.net](cqsat.sourceforge.net)

<u>March 2003 – June 2005</u>
***Consulting Product Architect and Developer, [Bladelogic Inc.](), Waltham MA***
- Developed and Enhanced secure agent software in C/C++ for datacenter automation.
- Technologies: C/C++, TCP/IP, UDP/IP, security reviews, installers, yum RPM, Linux

<u>August 2001 – March 2003</u>
***Consulting Product Architect and Developer, Astrum Software Corporation, Boston MA***
- Hired by top management under fixed time and cost subcontract to replace solution delivered by third-party consultants which did not meet quality and performance requirements
- Re-wrote the entire code-base using C++ and TCP/IP sockets. Delivered early and under cost estimate. Product shipped on time and allowed the company to tap a new market
- In April 2003, EMC [bought]() Astrum to acquire this software, packaged as EMC VisualSRM
- Technologies: C++, TCP/IP, UDP/IP, MSVC++, GNU tools, perl5, multithreading, Unix, AIX, HP-UX, Linux, Solaris, kstat, DLPI, daemon, agent, MS SQL Server, SSL, OpenSSL, zlib, VPN, pkgadd, rpm, smit, swpackage.

<u>Prior</u>
Consulting Product Architect and Developer, [Bladelogic Inc.](), Waltham MA
Founder and Chief Technology Officer, NVision Limited, Dublin Ireland
Lead Architect (Subcontract), Travel Services International, Delray Beach FL
Lead Technologist, NE Media Group, Cambridge Technology Partners, Cambridge MA

# Education

Masters Degree in Computer Science
[Trinity College Dublin, Ireland]() & [Technische Hochschule Darmstadt, Germany]()