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Ian David Serlin

OBJECTIVE Innovating mobile and web technology with a creative and collaborative team.

SUMMARY I have a demonstrated ability to rapidly learn and effectively apply new technology and techniques with 8+ years of project management and software development experience.

PROFESSIONAL EXPERIENCE

Chief Technology Officer **Vokle Inc. - Los Angeles, CA** **June 2008 - Present**

- Responsible for technical direction of Vokle Inc. including platform vision and user experience in coordination with business and marketing; launched 2 complete products in 18 months with lean resources
- Integrated global network of 8 Flash Video Streaming clusters using geo-location data to identify optimal nodes for publishers and consumers to connect through supporting 1000s of concurrent users
- Developed AS3 layout engine capable of rapidly finding the optimal size and position of 300+ simultaneous videos based on user's available screen space while supporting live cutting between videos
- Developed Flex-based theme framework allowing non-technical users to brand and market their online events
- Developed REST toolset for Flex which allowed rapid development of an event scheduling UI in Flex 4
- Architected and developed real-time live video and text question management system for non-technical users capable of handling hundreds of simultaneous questions
- Integrated 3rd party video advertising network into custom live multi-stream video player
- Architected and developed thread-safe Java dynamic roster service allowing hundreds of concurrent users to view, coordinate and manage multiple live online events
- Designed and developed in-browser Flex XMPP client allowing persistent communication across page loads

Development Consultant **Tanner Research - Monrovia, CA** **Jan 2008 - June 2008**

- Saved half-implemented project and successfully completed prototype vehicle defense system for the US Navy

Program Manager **Microsoft - Redmond, WA** **May-Aug 2006; May-Aug 2007**

- Developed prototype WiFi phone and Windows Sidebar Gadget implementing Windows Rally tech
- Scripted and produced concept video outlining 5 year vision for the Windows Hardware Ecosystem
- Took Update Troubleshooter for Windows from idea to beta; expected \$850K/year savings
- Managed cross-group collaborative team of 9 introducing Agile project management to the division

Technology Consultant **Caduceus International** **Feb 2004 - May 2006**

- Enabled client to effectively use technology in variety of facets of their mobile hospital business

Research Assistant **DePauw University** **Jun 2001 - Aug 2003**

- Prototyped voice recognition, A/V conferencing, VNC-style technology and Flash print filters for collaborative educational software www.dyknow.com

TECHNICAL EXPERIENCE

Languages, Tools, Standards and Platforms

- Conversational Mandarin, Actionscript 3, Flex 3/4, Swiz, Wowza Media Server, Flash Media Server, Java, Sinatra, Merb, Ruby, Javascript/jQuery, XHTML, HAML, SASS, Openfire, XMPP, XIFF, Photoshop, Flash, REST, TextMate, Ubuntu, OS X, Rackspace Cloud Servers, Slicehost, CDNetworks, Windows 7/Vista/XP, Solaris

ACADEMIC EXPERIENCE

MS, Comp. Sci. GPA: 4.0/4.0 **University of Southern California** **Aug 2007 - May 2008**

- Managed and developed COINCOMO2 software development cost estimator for Dr. Barry Boehm at USC CSSE
- Designed and Developed Multi-touch Soundtrack Composer <http://youtube.com/watch?v=rvJs573K1QM>

BS, Comp. Sci. Major GPA: 3.74/4.0 **University of Southern California** **Aug 2003 - May 2007**
Mandarin Language & Culture **Peking University - Beijing, China** **Aug 2006 - Dec 2006**