

Paul Greyson

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Versatile, seasoned technologist with 15 years experience building desktop and mobile applications for business and consumer markets.

2011- Founder, Flow5

Offering consulting and contract software development with a focus on mobile html5 and hybrid html5/native solutions.

2011 Mobile Applications Architect, Next Jump

Created Next Jump's hybrid html5/native mobile application framework for iOS and Android.

2010-2011 Principal Engineer, Yahoo

Developed html5 and analytics-reporting frameworks for Yahoo's iPad products.

1997-2010 Consulting Engineer and Architect, Avid

Principal developer, architect and technical product owner for Pro Tools, Avid's world-renowned digital audio workstation for MacOS and Windows.

1996-1997 Software Engineer, Innovative Interfaces

Expertise

Mobile html5/Ajax; Hybrid html5/Native mobile applications; Agile development (Scrum); Multithreaded and Evented programming; Large scale C++ development; Design for testability; Professional audio and video applications and workflows; OO and Template Programming; Complex file formats; Real-time audio and video processing; QuickTime; iOS, MacOS and Windows

Education

Bachelor's Degree in Computer Science, UC Berkeley, 1996

2011- Founder, Flow5

- *Developing an MIT-licensed hybrid html5/native framework for mobile applications*

2011 Mobile Applications Architect, Next Jump

- *Created Next Jump's JuMP html5 mobile application framework for iPhone and Android. JuMP is now used by multiple teams in Boston, SF and NYC as the basis for all of Next Jump's mobile apps*
- *Development Lead (team of 6) for Next Jump's Ella, a social commerce app for iPhone and Android*

2010-2011 Principal Engineer, Yahoo

- *Developed web services (Java/Tomcat) and server-side HTML5 templating and typesetting engine to deliver magazine-formatted Yahoo News for HP's "Yahoo Daily Digest" printer app*
- *Lead HTML5 developer for Yahoo's Sportacular HD iPad app*
- *Developed a prototype HTML5 component loader and repository (CouchDB) for Yahoo's Livestand iPad app*
- *Developed the analytics-reporting framework for Yahoo's Livestand iPad app*

1997-2010 Consulting Engineer and Architect, Avid

- *Architect, development lead and technical product owner (Scrum) for Avid's flagship "Pro Tools HDX" realtime audio processing system. Responsibilities included technical management of multiple teams in the US and Ukraine spanning domains from embedded microcontrollers and DSPs to user-mode realtime drivers to host based DSP and plugin frameworks*
- *Implemented the Avid audio division's Agile development process (Scrum)*
- *Architect and consulting engineer for Avid's Pro Tools 8*

- Research engineer for the Avid audio division's Advanced Technology Group with a focus on machine recommendation. Authored U.S. Patent Application 20110214556 "Rhythm Explorer," a system for index and retrieval of musical content based on rhythmic signatures
- Engineering manager (team of 6) for Pro Tools application development and for DigiDelivery, Avid's network file transfer tool (later acquired by Aspera)
- Principal engineer and development lead for multiple releases of Pro Tools with a focus on data persistence, data management and data interchange features
- Designed and implemented the Pro Tools data persistence subsystem, which has been in continuous use since 2001 and has accommodated 5 major product releases each with significant schema changes
- Principal developer for integration of Pro Tools with Avid's media asset management and shared storage systems
- Author of the ubiquitous DigiTranslator interchange tool for professional audio post production workflows
- Developed cross platform (MacOS/Windows) operating system primitives (threads, files etc.) in support of the port of Pro Tools from MacOS 9 to Windows.

1996-1997 Software Engineer, Innovative Interfaces

- Integrated a full text search engine with Innovate Interface's widely used library catalog product