

JONATHAN TOLAND

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Profile

Classically trained rich internet application architect offering consulting perspective and diverse experience building dynamic cross-platform user interfaces cross-cutting concerns, tiers, platforms, patterns, languages, data protocols, and tools. Specialised at mitigating issues inherent to application development especially synchronisation and maintainability ([demo](#)). To continue maturing marketable skills especially relevant to enterprise and management.

Experience

Flash/Flex Contractor, Data Paradigm Dallas, TX 2010-2011. [IntelliJ IDEA](#), [Flash Builder 4](#), [Git](#), [Windows 7](#). [Audio](#) recorder using [ActionScript 3](#) to capture [microphone](#) as [RAW](#), interactively control playback and mode using [MinimalComps](#), encode as [WAV](#) or [MP3](#) using [Alchemy](#), [upload](#) using POST, visualise input/output amplitude and encoding/upload and playback progress as analogue metre, and remote configuration of layout and processing using [XML](#).

[Video](#) player using [ActionScript 3](#) to track playback progress and buffer and resume from last increment.

Maintenance and remote configuration and [internationalisation](#) of tree [data visualisation](#) using [Flare](#).

[ANSI SQL](#), [ActionScript 3](#), [asx3m](#), [XML](#).

Senior Rich Internet Application Subcontractor, Universal Mind Interstate 2010. [IntelliJ IDEA](#), [SVN](#), [OS X](#).

[Agile](#) maintenance of kiosk wizard for cellular account administration using [Flex](#).

[AIR](#), [ActionScript 3](#), [MXML](#), [asx3m](#), [XSLT](#), [XML](#), [SOAP](#), [soapUI](#).

[Open source](#) graph [data structures and algorithms](#) experimentation using [Scala](#) and contribution to

[Robotlegs](#) framework for [MVCS](#)-managed [dependency injection](#) using [ActionScript 3](#).

Senior RIA Consultant, Voyager Learning Dallas, TX 2009-2010. [Eclipse](#), [Flash Builder 4](#), [CVS](#), [Windows 7](#).

Port of online dashboard for educational reporting using [PureMVC](#) to synchronise [Flare](#) and [Flex charts](#), [Flex data grids](#) including [OLAP](#), interoperable [JSP](#) forms, and [BlazeDS](#) services.

[Java EE 6](#), [Spring](#), [Struts](#), [JSTL](#), [ActionScript 3](#), [MXML](#), [ExternalInterface](#), [JavaScript](#), [Prototype](#), [AMF](#).

RIA Architect, Optimum Return Plano, TX 2008-2009. [Flex Builder 3](#), [SVN](#), [Windows XP](#).

Asynchronous [TIFF](#) encoder using [ActionScript 3](#).

[Illustrator](#) batch automation using [ESTK](#) to rearrange layers and export as [SWF](#) symbols for runtime

manipulation using [ActionScript 3](#) and custom [FXG](#) for database import and library to remote asynchronous commands between [Creative Suite](#) applications.

[JavaScript](#), [SpiderMonkey](#), [E4X](#), [JSON](#), [XML](#).

Database schema using [Visio](#) and [XML](#) schemas for interchange to represent CAD templates and cascading client variants and user variations.

[ANSI SQL](#), [XPath](#), [XSD](#), [DTD](#).

[Flash](#) authoring environment batch automation using [JSFL](#) to rearrange symbols by fill colour for runtime

manipulation using [ColorTransform](#).

[JavaScript](#), [SpiderMonkey](#), [regular expressions](#).

Online CAD editor using [Flex](#).

[WebORB](#), [ActionScript 3](#), [MXML](#), [PureMVC](#), [Mate](#), [Swiz](#), [Degrafa](#), [E4X](#), [AMF](#), [XML](#).

RIA Developer/Office Manager, DocuDesk Plano, TX 2006-2008. [Eclipse](#), [Aptana](#), [SVN](#), [Windows Vista](#).

[Mobile](#) companion site of [cloud](#) document viewer using [WAP](#) and optimised for [Blackberry](#) smartphones.

[PHP 5](#), [Apache mod_rewrite](#), [Apache Access Control](#), [multiple encryption](#), [Photoshop](#).

Refactoring of [Word](#) add-in for [PostScript](#) injection using [VB6](#) from procedural inline string literal

concatenation to [internationalisation](#) proxy and [object-oriented](#) renderer for syntactic integrity and character set normalisation using [regular expressions](#).

Renderer components of desktop [PDF](#) converter to generate [XHTML](#), [DocBook](#), [ODT](#), and [RTF](#) documents using [Java SE 5](#) and perform graphical transformations using [SWT/AWT](#) Bridge.

[JFace](#), [Swing](#), [XML](#), [internationalisation](#).

[Cloud](#) document editor using [canvas](#), [SVG/VML](#), and [CSS3](#) and resource build automation using [Minify](#).

[PHP 5](#), [JavaScript](#), [Ext JS](#), [regular expressions](#), [JSON](#), [AJAX](#), [soapUI](#).

Internal [website](#) to browse and search user diagnostic logs.

[ASP 3.0](#), [ANSI SQL](#), [JavaScript](#), [regular expressions](#).

[Visio](#) add-in to group layers by loose naming convention using [regular expressions](#) and interactively toggle their visibility using [VB6](#).

[WordPress](#) plugins to securely browse and preview privileged server sources and library to develop plugins by [object-oriented](#) contract as opposed to observer convention.

[PHP 5](#), [JavaScript](#), [jQuery](#), [regular expressions](#), [JSON](#), [AJAX](#), [multiple encryption](#), [Git](#).

Education

Dallas Baptist University — Education, 2003. [AJAX](#), [JavaScript](#), [CSS3](#), [XHTML](#), [Perl](#).

University of Texas at Dallas — Computer Science, 2000. [x86](#), [ANSI C++](#), [K&R C](#), [Pascal](#).