

John Yanarella

Principal Software Architect / Mobile and Front-End Developer



☎ (859) 913-7601

✉ jmy@codecatalyst.com

🌐 www.codecatalyst.com

Summary

John Yanarella is a software architect, developer and consultant with a proven track record of successfully leading teams and creating engaging user interfaces and experiences on emerging software platforms.

John has over ten years of professional experience delivering innovative desktop, web, mobile and tablet applications for high profile clients such as: Hanover Insurance, NASDAQ, SAIC, JPMorgan Chase, EnerNOC, SAP, AOL, Cisco Systems, MapQuest, Sherwin-Williams, Nationwide Insurance, SpatialKey and Universal Mind.

He is also an experienced software framework architect who believes in breaking complex problems down into simple reusable solutions. He has created and been a principal contributor to several commercial and open-source frameworks and software development toolkits for user interface components and behaviors, inversion of control, dependency injection, data conversion and transformation, graphics, audio, video and data visualization.

A pragmatic decision maker who understands software in its business context, he is passionate about bringing effective user interface and interaction design to life. He strives to meet the real business objectives of his clients and their customers. Bottom line - John builds software that you and your customers need.

Specialties

iOS (iPhone / iPad), C / C++, Objective-C, HTML5 / CSS / JS, CoffeeScript, Sencha Touch and Ext JS, Angular JS, jQuery / jQueryUI / jQuery Mobile, Backbone.js, Adobe Flash / Flex / AIR, Software Architecture, Framework Design and Development, Data Visualization

Experience

Principal Software Architect, Consultant (2005-Present)

CodeCatalyst, LLC

Engaged in software development and consulting for the web and mobile devices.

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Principal Software Architect (2005-Present)

Universal Mind, Inc.

Engaged in software consulting on behalf of Universal Mind:

- software architecture, design and development,
- mentoring junior developers,
- custom UI component development,
- performance tuning and defect resolution.

using the following technologies:

- iOS - Objective-C / C / C++ / Cocoa Touch
- HTML5 / CSS / JS, Ext JS, jQuery / jQuery UI / jQuery Mobile
- Adobe Flash / Flex / AIR / LCDS / Blaze DS
- Spring, Hibernate

for clients, such as:

- Complete Genomics
- IDEXX
- Wells Fargo Capital Finance
- The Hanover Insurance Group
- NASDAQ
- SAIC
- JPMorgan Chase
- EnerNOC
- MapQuest
- ESRI
- AOL xDrive
- Pillar Data Systems
- Viziant
- Cisco Systems
- George Weiss Associates
- Arc Worldwide
- Star Exhibits
- Nationwide Insurance
- Remedy MD
- Fleetwood RV
- Concerto / Aspect Software
- Behr
- Johnson & Johnson
- AGCO
- SAP

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Contributed in the development and maintenance of SpatialKey, a geospatial information visualization, analysis and reporting system.

Co-Founder (2010-2011)

Infinum Education, LLC

Co-founded a company dedicated to improving the quality of academic planning and student advising through a web and mobile software solution, called Aviso.

Collaborated with co-founders and a UX specialist to define user personas, wireframes and interactions.

Developed an innovative web-based user interface for collaboratively creating and approving academic plans, featuring course planning via autocomplete and drag and drop interactions paired with realtime degree auditing.

Defined the front-end technology stack, including HTML5/CSS3/JS, jQuery / jQuery UI, KnockoutJS and CoffeeScript.

In October 2011, Infinum Education was accepted into the 1492 incubator program in Columbus, OH.

See: <http://www.avisoapp.com/> to learn more.

Flex Developer (2004-2005)

WHITTMANHART Interactive

Developed the Sherwin-Williams Color Visualizer, a Webby Award-winning Rich Internet Application that allows users to browse and search paints and interactively apply those paints to interior and exterior scenes using a drag-and-drop interface.

Created custom controls and user interface 'skins' for unique project requirements, such as color swatch and color palette controls and drag and drop scene rendering backed by Scene7.

Senior Software Developer, Team Lead (2001-2004)

Exstream Software (acquired by Hewlett Packard for \$371m in 2008)

Applied web technology experience to expand the capabilities of their mainframe, workstation and desktop based high-volume enterprise personalized document production system to meet customer requirements in an increasingly web enabled world.

Developed and pitched a proof-of-concept of HTML as an output format for the document production engine and contributed to its implementation.

Implemented a cross platform (Windows, HP-UX, Solaris, AIX and MVS) custom data provider plug-in API for C++ and Java to enable on-demand document production and web delivery. This allowed processing of previously unsupported data formats and integration with third-party products such as WebSphere MQ.

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Co-developed a web-based time tracking, project status and reporting intranet application used company-wide by employees for reporting time and by management to perform project reporting and cost analysis.

Lead Developer, Architect (1996-2004)

Miami University

Architected and led the team that developed the Miami University Training Registration and Information Network (TRAIN), a training course catalog and registration system.

Freelance Software and Web Application Developer (1996-2004)

CodeCatalyst

Developed and contributed to open-source, freeware and commercial software for the BeOS, Mac OS X, and Windows platforms, including general system utilities, an image editing application similar to Adobe Photoshop and a social music client.

Created and maintained custom web content and applications for academic and government institutions, including: the Commonwealth of Kentucky Finance Cabinet, Henry Clay High School, Miami University, the Kentucky-Canadian Studies Association and the University of Kentucky. Pushed the envelope of the early web experience with server-side scripting, 3D rendered graphics, animation and Java applets.

Developed a multimedia software development kit to simplify development of video and audio rich DOS applications including games, CD-ROMs and presentations. Released in 1996, this Borland / Turbo Pascal toolkit provided a simple API backed by highly optimized assembly routines offering mouse input, graphics display and palette management and manipulation, animation, music and CD-ROM connectivity.

Education

Bachelor of Science in Systems Analysis (Computer Science)
Miami University (Oxford, OH)

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Open Source Contributions

- **Deft JS** (Creator)
 - IoC, MVC and Promises for Ext JS and Sencha Touch
- **Ext.ux.callout.Callout** (Creator)
 - CSS styleable floating callout/popover container for Ext JS
- **promise.coffee** (Creator)
 - Promises/A+ compliant implementation in object-oriented CoffeeScript
- **ko.jqm.bindings** (Creator)
 - Integrates Knockout JS's two-way binding w/jQuery Mobile's form controls
- **SWFService** (Creator)
 - Instantly access ActionScript in a SWF from JavaScript
- **promise-as3** (Creator)
 - Promises/A+ compliant implementation in ActionScript 3.0
- **Swiz Framework** (Team Member)
 - Spring-like IoC container and application framework for Adobe Flex
- **Flex-Extensions** (Creator)
 - Adobe Flex components, charting controls, behaviors and utility classes
- **Degrafa-Extensions** (Creator)
 - Custom extensions to the Degrafa declarative graphics framework
- **grid.less** (Creator)
 - A semantic CSS grid layout system built on Less CSS
- **CCMultipartReader** (Creator)
 - Objective C multipart MIME reader
- **Flare** (Contributor)
 - ActionScript based data visualization framework
- **Hamcrest-AS3** (Contributor)
 - General purpose matching framework for ActionScript

Referrals

Provided upon request.