

gregor patterson front-end web developer

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Objective	To develop creative projects using leading edge technology in the online/mobile marketplace
Education	BFA Auburn University 1989 (Visual Design)
Skills	Javascript, HTML5/CSS3, UI/UX, Flash/Mobile/Multimedia production
Technologies	PHP, Node, MySQL, jQuery, Less/Sass, Bootstrap, Git, Flash/Flex, Adobe Creative Suite, Bash, Google Maps API (numerous other libraries/services) CDNs, Online Video
Interests	AngularJS, Wordpress, OSCommerce, Swift, ThreeJS, D3, and most "trending" libraries/frameworks

Consulting Highlights

- 2014+ **360Cities.net Site Redesign: Front-end CSS/JS**
Comprehensive site redesign resulting in a beautiful, responsive experience showcasing the fantastic assets and diverse user-base of 360Cities
KRPano, Video APIS, Google Maps, Bootstrap, CSS3, jQuery HTML5, UI Design, Custom UI elements and forms, File API
- 2014 **1800 Accountant : Front-Design & A-B testing / forms processing back-end support (PHP)**
Front & back-end work for 1800's April-15th (Tax-Day) marketing push
Responsive Design, video-support, enhanced forms, AB-back-end testing
PHP, Bootstrap, HTML5, CSS, Javascript, jQuery
- 2014 **Nestle Waters Augmented Reality, Video, QR-Code Mini-Mobile sites**
Targeted national marketing campaign using augmented reality, online video, mobile web, qr-codes and back-end PHP
AR (Layar), Streaming Video Services (Vizar) Mobile Web design (CSS3/HTML5), Data collection (PHP)
- 2013+ **1800 Accountant - Web Video Support**
Updated 1800Accountant's site to highlight new ads by pitch man Ben Stein
HTML5, CSS, Javascript, jQuery
- 2013 **Independent Game Developer & Consultant for Runfast.com**
Developed casual Mobile/Web Games in Flash & Flash Builder
ActionScript 3.0, Flash, Flash Builder, FeathersUI, Starling, Box2D
Provided technical support and strategic planning for several web marketing firms & start ups
Javascript, jQuery, CSS3, HTML5 & various popular libraries, frameworks
- 2012 **Web/Video Developer for Oreck.com with M3 Digital**
Developed Mobile/Desktop interactive product videos for Oreck.com
Provided full-screen support, interactive widgets, and Flash-fallback option for videos.
HTML, CSS, JavaScript, jQuery, Video, HTML5, VideoJS
- 2012 **Web/Video Online Interactive Developer, RedPrairie.com with M3 Digital**
Developed interactive product demos and video players for Web-delivery (with Flash fallback)
HTML, CSS, JavaScript, jQuery, Video
- 2012 **WEB/Video developer for Kennesaw St College with Donahue, Inc**
Designed and deployed sustainable-home web portal with video and course materials for environmental education [ihome21.kennesaw.edu]
HTML, CSS, JavaScript, jQuery, Video, Flash, External APIs
- 2012 **Cadmus Energy (developer front-end/back-end) with Cadmus CC, LLC**
Site design & development for Solar energy company [<http://cadmusenergy.com>]
HTML, CSS, JavaScript, jQuery

2010-11 **Lead Developer Flash/Flex Developer, St Johns River Water Management District**

Project "The Great Water Odyssey" Online Edition

After 4 years use in Florida schools, SJR opted for an online delivery method for its large-scale CBT. This required the conversion of 100+ AS 2.0 Flash-files (games, quizzes, animations - everything) to AS 3.0, a system overhaul in Flex, and a reworking of the original student-data from local Flash-Shared-Objects to a centralized Oracle repository with XML/AJAX as the means of exchange.

- Upgraded large-scale CBT from CDROM to online delivery (Flash/Flex/HTML);
- Architected user database; managed developers; consulted on technology; tracked changes
- AS2 to ActionScript 3 conversion
- Database consultant
- Designed & developed web front-end
- Consulted on Large Scale deployment options (chose Akamai)

ActionScript 3.0, Flash, Flex/Flash Builder, HTML, CSS, JavaScript, jQuery, dataTables

2010 **Verizon Wireless Flash Developer with Enablus / Moxie Interactive**

Developed UI and tools for viral campaign allowing users to photograph themselves using built-in cameras, apply eye-candy, messages and store the result remotely

ActionScript 3.0, Flash

2010 **Flash/Flex Game Developer, Humana Healthcare with Say Design**

Developed cartoon-world (2.5-D) interface for Flash-based MMORPG game promoting fitness;

- Integrated animation, character customization, and world-design
- Created an API allowing larger application and web-view to control display

ActionScript 3.0, Flash, Flash Builder

2010 **Flash Developer, Surfer Magazine with Atom Media**

Flash Developer for Fantasy Surfer Online Game

- Developed UI and widgets for picking and trading teams, viewing stats, and switching modes;
- Created messaging-API for Flash-to-JavaScript communication;
- Supported AJAX communication between page, Flash, and remote server

ActionScript 3.0, Flash, HTML, CSS, JavaScript, jQuery

2009+ **iOS Developer, RedPrairie with M3 Digital**

Created iPhone travel-app "Fuelculator" in XCode using Google Maps API

- Developed UI, code and custom controls
- Integrated custom Google-Maps API
- Consulted over various back-end, mapping options
- Created online (functional JS Version) with jQueryUI and tests for client
- Published on AppStore 2010-2013

XCode, Objective C

2009 **Flash Developer, RedPrairie with M3 Digital**

AIR-based Presentation deployed on multiple desktops controlling applications, full-screen video, and speaker-led presentations.

ActionScript 3.0, Flash, Adobe AIR, AfterEffects

2009 **Flash/Web Developer, MikeWittenstein.com with StoryMiners**

This clever project provided integrated video and interactivity, allowing Wittenstein's own "avatar" to speak directly to the user, suggesting ways to use his site and introducing his services. As cool as this highly interactive project was, the biggest feather in our cap was that it functioned perfectly in IE6.

Flash-based interactive video; JavaScript-to-Flash interactions; Analytics; Alpha-channel Video

ActionScript 3.0, Flash, Google Analytics, FLV, HTML, CSS, JavaScript, sIFR Font Substitution

2008 **Consultant, Atom Media** (various Flash-based widgets & controls)

ActionScript 3.0, Flash, Flex

2008 **Flash/Web Developer, CRELoaded with Maaz.com**

Produced an XML-based online survey for potential clients, widgets, presentations, and web support for a major site redesign.

ActionScript 3.0, Flash, HTML, CSS, JavaScript

- 2008-10 **Flash Video/Web Developer, RedPrairie with M3 Digital**
 Developed a series of Multi-lingual interactive videos for international audience.
 Some videos were specific to particular nations, others were English and Spanish only.
 All provided optional captions, timed to cue points in video.
*Interactive video; Custom API for Flash-to-JavaScript communication; Multi-lingual video
 ActionScript 2 and 3, Flash, HTML, CSS, JavaScript, QuickTime, AfterEffects*
- 2007+ **M3 Digital, Consultant, various Flash-based online video and interactive applications**
ActionScript 2 and 3, Flash, HTML, CSS, JavaScript, QuickTime, AfterEffects
- 2007 **Flash Developer, Veenedaal Cave with StoryMiners**
ActionScript 3, Flash, HTML, JavaScript
- 2004-6 **Lead Developer St Johns River Water Management District with Technisource**
 The Great Water Odyssey was a large (100+swf) Flash/CDROM training piece for Elementary Schools.
 Produced a large-scale CBT for Elementary School education (grades 3,4,5)
 Roles included Art-director, Game Developer, Sound Engineer, System Architect, Resource Strategist
Flash, ActionScript 1.0 and 2.0, Visio, Excel
- 2003 **PHP/MySQL Developer, Amediatech (and various others)**
- 2002 **PHP/MySQL and Flash Developer, with Donahue Studios**
 Produced Flash-based Greeting Cards for Email delivery with online customization features.
PHP, MySQL, Flash, ActionScript
- 2002 **Video Producer/ Web Developer, Kimberly Clark with Donahue Studios**
 Produced and directed video product demos for Kimberly Clark.
 Videos featured interactive QuickTime via Flash-based "interactivity track"
Flash, QuickTime, HTML, JavaScript, Adobe Premiere, After Effects
- 2001 **Lead Developer Novient Annual Interactive developer for AmediaTech**
- 2001 **Video Producer, Cingular Wireless with Gilbert Creative**
 Managed projects, scheduled talent, booked flights and assisted editing and
 development of internal training videos.
- 2000 **Talisman Creative, Lead Developer [Consultant, Lead Web/Multimedia Developer]**
- 2000 **Lead Developer, 3M ITU Telecom Asia 2000, Hong Kong contracting for Caribiner International**
- 2000 **Lead Developer, IQTV with Amediatech**
 Director/CDROM-based Video and Online Contest
*Integrated video, flash, and online server-communication in cross-platform CDROM
 UI, sound design, graphics, testing and client consulting
 Units shipped: roughly 450,000
 Director, JavaScript, JSP, Flash, Video Production, HTML*
- 1999 **Applications Developer, with Caribiner International**
 Clarus Product Training, Conference assistance, various multimedia projects and consulting
Director, Flash, JavaScript, HTML
- 1998-3 **Lead Developer, President, Runfast, Inc various clients**
Director, Flash, PHP, MySQL, JavaScript, HTML
- 1997-9 **Lead Developer, Holiday Inn**
 Front Desk Training System (Lead Developer/CDROM/Director)
 Produced & extended internal training systems (Professional CBT) and entertainment
- 1995-7 **Lead Developer, Cadmus Interactive**
- 1993-5 **Lead Developer CDTI (Multimedia/CDROM developer) University of South Carolina**
- 1991-3 **Computer Lab Assistant, University South Carolina Dept. of Education**
- 1990 **Teaching Assistant, University of South Carolina Dept. of Art**