**Sean Bischoff – UI Developer**

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**Objective**A senior developer role on a team in which I can both mentor and learn, bringing my experience with a variety of development technologies, styles, and resources. My ideal company sees the UI as a respected, core product, and facilitates today’s modern Frontend development environments. You encourage the pursuit and use of today's leading technologies such as HTML5, CSS3, Angular, SASS, jQuery, Node.js for MVC, event-driven, and API based User Interfaces.

**About Me**   
I have over 15 years’ experience in web UI development, the last 9+ years of which working on Enterprise level UIs that are data-centric, dynamic, and scalable. I'm experienced integrating a variety of client-side, server-side, API, and non-API resources. I code "native" JavaScript and CSS. I implement 3rd party libraries, frameworks and plugins for MVC architectures. I enjoy visualizing and designing UI architectures and data structures. I am a "goto guy" for CSS, JavaScript, and logic problem solving.

**Skills**

* ECMA6 Javascript, BABEL transpiler
* FE architectural design, OO patterns, UI logic, business logic, widget development
* HTML5, CSS3 – layouts, transforms, transitions, SCSS, JSON, AJAX, XML, XSLT
* JQuery, jQuery Vlidate, YUI 2.9, ExtJS (Sencha), AngularJS, Bootstrap
* Designing cutom MVC frameworks and implementing 3rd party libraries, plugins
* Highstocks Charts, Underscore, Select2, Handlebars templates
* Gitub, Perforce, jsFiddle, Sharepoint, Jira bug tracking, Jenkins Automation Server
* OSx, iTerm2, VMWare Workstation, Centos OS, Linux, Windows environments
* Node.js, NPM JSPM and Bower components, SASS, Koala, GULP, Growl, Protractor, Karma
* Intellij IDEA, JetBrains WebStorm, Sublime Text 3, Eclipse, Netbeans Eclipse, Netbeans
* Adobe Fireworks, Illustrator, Photoshop, Premiere; Gimp
* JSP, PHP, SQL queries, JBoss, Apache Tomcat Server
* JLint, JSONLint, CSE HTML Validator, InFocus (508 validation)
* Cross-Browser/platform development; W3C Accessibility and Section 508 compliance
* Internationalization (I18n), Search Engine Optimization, Data validation and parsing
* Graphic design – UI, icons, logos; image resource creation and optimization
* User-centric UI approach - designs driven by dynamic functionality and user expectations.
* All project phases; Workflows, Scenarios, Use Cases, wireframes, mocks, final design, middle- and front-end logic, presentation coding.

**URLS**

I work on non-public-facing B2B application UIs. Please visit my personal site for project examples.

[www.guilastic.com](http://www.guilastic.com/) <https://jsfiddle.net/user/SeanB/fiddles/> [www.wherescotton.com](../AppData/Local/Microsoft/Windows/Temporary%20Internet%20Files/Content.Outlook/BA1T4BJV/www.wherescotton.com)

**Experience**

**Frontend UI Developer (Contractor) GE 2016 - Present**

* Development of microapps for the Industrial Internet of Things
* Paired development using Angular 1 and GE’s proprietary Predix library of apps, services, Polymer components
* Tools used: IntelliJ IDEA IDE, Github and GE private Github repositories, OS X and iTerm2, GULP, GRUNT, SASS CSS, ECMA (Javascript) 6
* Test Driven Development writing Journey Tests (end to end) with Protractor, and Unit Tests with Karma, automated via Jenkins
* Contributed to multiple teams including Alerts (bulk actions for list feature), Configurable Templates (client side data caching; templates module integration with Cases microapp), and Product Extension Power Team (generic form factory driven by tenant configuration, which combines Alerts and Cases microapps processes)
* Trouble-shooting of CSS issues, Journey Test issues
* Cross-team collaboration and communication at all stages of project life cycle.
* AGILE development approach

**Senior UI Engineer Cadent (formerly Blackarrow) 2010 - 2016**

* Collaboration on new AngularJS prototype of BA Product Suite as SPA. Use of NodeJS, Gulp, Growl, WebStorm
* New Reports product. Integration of 3rd party vendor Pentaho Reporting platform. My contributions included: Custom CSS theme updates/Cross Browser compatibility issues resolution, Custom jQuery based widget for multiple data source toggling, injected inside hosted Pentaho UI, Cross Domain permissions. Visual & logic layers for New, Edit, Save, Save As… reports, scheduled reports. Scheduling widget. Use of JS, jQuery, jQuery Validate, CSS, HTML, AJAX.
* BA Audience, (Profile Manager). Designed a client side single page MVC framework separating global UI logic, page specific business logic, developed a custom JS Event Dispatcher widget based on the Observer Pattern - compare to AngularJS built-in event-driven, inter-module responsiveness features. Use of AJAX, CSS, YUI, jQuery, Select2, Event driven programming, Handlebars templates
* New Linear Product UI. I helped establish a new product for an enthusiastic, high profile customer. Joined project at 11th hour to rescue project’s behind schedule UI. Executed an estimated 15+ day project in 5 days by modifying the MVC architecture I created for BA Audience. This enabled delivery of the product on time, with a UI included.
* Collaboration on 3rd party charting software Highstocks Charts for visual display of high volume Reporting data. Included a custom filters module for sorting/pivoting chart views via UnderScore. Use of Select2, AJAX
* Developed reskin of primary product, using CSS, JavaScript, YUI components. Identified and resolved challenges to incorporating secondary page navigation into page header for visual pairing with primary navigation.
* Evangelized for & implemented restructuring, designed a new UI architecture which proved vital to a sudden need for a core YUI library upgrade due to an IE blocking issue.
* Developed modular, configurable objects: extended YUI data table; paired menu widget with grouped options, more
* Designed custom MVC UI frameworks for new products.
* Introduced Handlebars Templates for dynamic, data driven forms
* Designed JSP layer data delivery ready for Internationalization (I18n) in conjunction with Handlebars templates
* Documentation and guides for common components, architecture standardization, best-practices for multiple teams
* contributing to the frontend code base, which was open and unowned by any of the 6 Dev teams.
* Custom alert and confirm dialogs with support for states (Success, Warning, Error). Documented new coding pattern requirements since these cannot halt the JavaScript process like the standard ones do.
* Quickly came up to speed with existing code base, a mix of structural approaches from previous developers.
* Use of VMWare Workstation, Centos OS, Linux, Windows environments, Eclipse IDE, Perforce, Jira, Jenkins Automation Server for build resources

**Senior UI Engineer Autonomy, Inc. 2009 – 2010**

Javascript developer using Sencha ExtJs library; I built configurable, data-driven dynamic User Interfaces and features for the Email archiving product DSmail and server monitoring software ARCP. Clients included Bank of America, KRAFT, and Morgan Stanley.

* Developed OO UI architectures, CSS layouts and custom, configurable objects to support complex combinations of regions, tab, tree, and card layouts, result and preview panels, templates, toolbars, and event based interaction between UI elements
* Design visual elements; icons and branded logos
* Develop support for custom, configurable visual elements
* Resolve all JavaScript, HTML, and CSS issues. Define, use JSON structures. Feature configuration in JAVA
* Rich, configurable feature set within single code base supported releases with unique feature combinations
* leaf/branch results concepts using grid and “web view” result panels and template driven preview panels
* Client: KRAFT - Advanced Search form libraries, user preferences based on user action and AJAX/JSON
* Client: Bank of America - Transactional data screens with interactive results grids, preview panels, and graphs

**UI Developer Recommind, Inc. 2007 – 2009**

Installation of MindServer Legal Enterprise Search Software for Legal Firms on client servers; SQL query writing and data analysis, configuration of MindServer Admin Tool, developing crawlers (main, secondary) informational joins, post crawl transformations, security; customizing UI presentation and functionality using XSLT, CSS, and JavaScript. Team guru on client-side technologies; communicate and foster relationships with client technical and PM contacts. Clients include Morrison Foerster, Field Fisher Waterhouse

* Built UI for client Field Fisher Waterhouse, winner of Legal Technology Awards 2008 for ‘Implementation of the Year’
* Extensive UI development for San Francisco client Morrison Foerster
* Extended and documented custom Help section for content management by non-HTML savvy staff
* Rewrote XML ,XSLT transform templates, JavaScript scripts for generating Smart Filters using Object Oriented XSLT and JavaScript with JSON. Improved page load time, reduced file size from 860k to 120k
* Built a Pilot installation for a Boston, MA firm demonstrating iWoven documents, MS Exchange email, Elite Matters.
* Database design, indexing, and writing mySQL queries to organize client data into searchable structures for our app.

**UI Web Engineer Wallop 2006 – 2007**

All DHTML/CSS frontend for www.wallop.com , designer.wallop.com , PHP architecture for designer.wallop.com; HTML emails; Collaboration with designers, product, customer service, and engineers; Flash ActionScript/JavaScript communication for Flash 8 External Interface

* Built a Flash Browser History framework to provide cross-browser back/forward button support for Flash states.
* Implemented cross-browser website designs to spec using semantic table-less CSS layouts
* Developed PHP site architecture for designers.wallop.com
* Used Visual Studio 2005 Solutions, Projects, MasterPages to build C# ASP.NET2 (ASPX) XML/XSLT HTML/Text
* Built a SQL database and ASPX web form
* Used Tortoise SVN source control software, Bugzilla, Scrum process

**UI Developer Yahoo! 2004 to 2006**

PHP, CSS, JavaScript, HTML, FLASH Website and product feature developer, original team member of [avatars.yahoo.com](http://avatars.yahoo.com/) - a “many hats” startup environment, motivated, self-driven producers with a fast rate of on-time feature deliveries, Intl site launches, and cross-property integration, we brought our product to profitability with branded content.

* Avatars
  + Extensive use of the DOM for cross-browser application UI development.
  + I designed and built new features – from concept and design to final presentation markup, including Avatar Postcards, Featured Avatar, Download/Export Avatar, Favorite Items, Favorite Avatars, Toolbar “My Avatar” UI
  + Corrected version 1.0 markup for Internationalization; upgraded site with LSM markup
  + Built detailed vendor guides and online tools for SWF graphic content development and testing – setting basis for enforcement of standards to maintain highest product quality
  + Owned and documented the complex FLASH/JSFL process of building Avatar Heads – mentored/assisted Intl Yahoo! peer developers in creating their own head content items
  + Developed internal content delivery/approval system for Intl. Avatars Content Managers and vendors
  + Assisted with FLASH content creation/correction for weekly pushes and special promotions
  + Context debugging for the high profile, cross-company Sirius Radio (Howard Stern) launch promotion; supported other properties using our content for their Stern promotions
  + FLASH Research and Development for new programmable content to provide greater return on investment for content purchases from vendors; separation of facial features from head for greater range of unique faces
  + Worked within Unix/CVS environment on team builds, integrating HTML/CSS/JS into PHP presentation logic, pushing content to staging servers for testing, and then to production servers
  + Akamai image storage, CSS, and JavaScript resources
* Groups
  + Built 100+ CSS/HTML templates for Groups redesign based on the 360 design, coordinated engineering discussions to resolve outstanding design roadblocks
  + Built DHTML UI features for group administrators
* Mail
  + Assisted Mail team with markup for Avatars SWF integration on landing page
* 360 (Mingle, a social media platform)
  + Worked with 360’s custom, complex Object Oriented PHP architecture to contribute new homepage modules and standalone pages

**UI Prototype Developer (Contract) PeopleSoft 2004**

Assisted in development of Prototyping UI for PeopleSoft Release X; a stand-alone, server-independent, configurable user testing package.

* DHTML development of data sorting, drilling, filtering, slicing, row & column switching similar to MS Excel
* AJAX and HTML/XML simulated database-connectivity

**UI Developer/Webmaster Magna Entertainment 2002-2003**

Website rebuilds/rebranding for newly acquired race tracks. Manage heavy daily content updates. Support track employees to maintain own site content. Migrate sites to independent CMS.

* Upgraded over a dozen Magna racetrack websites from static HTML to dynamic ASP
* Developed all HTML, CSS, ASP, and JavaScript for sites
* Designed a range of custom CMS solutions plus documentation, training manuals, for clients based on their on-site technology environments, unique needs, and staff prowess. These ranged from file and database systems with FTP to DB driven CMS via browser access.
* Created VBScript print versioning scripts, dynamic content links pages; parsing scripts for Microsoft Word HTML
* Designed and built interim site for HorseRacing TV™

**Education**

Virginia Military Institute, Lexington, Virginia. BA Degree in Economics with a minor in Psychology

Academy of Arts College, SF. Studied Illustration, computer graphics

SQL Query Class at AcademyX, San Francisco, 2008

Continuing online courses of study and self-paced research