

Ted Weatherly, III

<https://www.tedweatherly.com> | <https://github.com/tw3/> | tweather@alum.mit.edu

SUMMARY

I'm a front-end software engineer with over 16 years of industry experience. I've created and customized hundreds of web applications and I'm an expert throughout the entire development process, from conceptualization and planning, to prototyping and design, to the final implementation and deployment. I'm fluent in a wide range of web development languages and design methodologies, and I'm passionate about creating user interfaces that are simple, attractive, easy to use, and highly effective.

SKILLS

- **Web Languages:** HTML, CSS, JavaScript, ES2015, JSX, TypeScript, Mustache, Velocity, Java, JSP, XSL
- **Web Concepts:** MVC, REST, AJAX, JSON, XML, AMD, DHTML, DOM, Responsive Design
- **Web 2.0 Frameworks:** ReactJS, Redux, Backbone, Knockout, AngularJS, Angular 2
- **JavaScript Libraries:** jQuery, Underscore, jqGrid, Datatables.net, jsTree, Ractive, Node.js, RequireJS
- **Graphics / Layout:** Adobe Photoshop, Bootstrap, Balsamiq, Adobe Flash, SVG
- **Version Control / Scaffolding:** SVN, CVS, Git, Perforce, Visual Source Safe, npm, Bower, Yeoman

EXPERIENCE

Nokia, Senior Frontend Web Applications Developer 11/2007 – 10/2016

Senior web developer, graphic artist, and usability specialist for a wide range of web applications that manage and support Internet/mobile services for international telecommunication companies (e.g. Verizon, AT&T, Telefonica). Accomplishments:

- Created and refined wireframes for new applications based on business requirements from the customer.
- Converted the wireframes into interactive HTML/JS/CSS mockups to gauge the final look-and-feel.
- Communicated with back-end developers to establish the AJAX API for retrieving/updating/deleting data.
- Augmented mockups to populate data using backend APIs while also refactoring code to improve organization and performance, producing fast, robust, easy to use and maintain web applications.
- Branded existing MVC Backbone.Marionette applications to fit the customer's style guidelines.
- Customized existing Web 2.0 applications to fulfill any additional features or needs.
- Constructed HTML and Flash mockups to illustrate new business concepts and attract sales opportunities.
- Organized and conducted onsite usability tests for Internet troubleshooting applications.
- Analyzed usability test feedback and wrote assessment reports that were instrumental in acquiring additional sales opportunities.
- Designed and developed Flash/Actionscript animations to assist users during setup and troubleshooting of their Internet and mobile devices.
- Managed and assisted a team of junior user interface consultants to facilitate the development process.

Digital Brewing Company, Senior Web Developer 03/2006 – 11/2007

Development lead for a variety of external Flash and PHP/MySQL web development projects.

Accomplishments:

- Built an assortment of Flash modules, pages, and web sites for numerous clients based on mockups designed by our internal art team. This process often involved a series of steps:
 - Extracting mockup graphics from layered Photoshop files and importing them into the Flash IDE.
 - Converting the imported assets into MovieClip objects and arranging them on the Stage.
 - Writing object-oriented Actionscript logic to attach, position, modify and animate the various objects, often in response to keyboard and mouse events by the end-user.
 - Composing music and sequencing sounds to enhance Flash interactivity.
 - Constructing MySQL database tables to store dynamic data within the animations.
 - Developing PHP code to query the database and output the dynamic data as XML.
 - Extending the Actionscript logic to retrieve this dynamic XML data, parse it, and display it within the Flash content.
- Developed several web-based content management applications in PHP/MySQL, making it easy for customers to update the dynamic content shown on their web site.
- Formulated creative, effective concepts for project deliverables to satisfy broad client demands and tight time/budget constraints.
- Managed and supported junior team members to guarantee on-time completion of project deliverables.
- Configured, installed, and maintained Subversion as our internal revision control system to ensure efficient organization and central storage of development code within the company.

Sendmail, Inc., Software Engineer 06/2003 – 02/2006
Lead user interface developer for Message Organizer (MO) and sole user interface designer for Sendmail Sentrion™, two enterprise-level mail management and delivery products for Unix. Accomplishments:

- Designed and implemented XML display templates which, when combined with various XSL stylesheets, produced Jakarta Velocity templates used to render HTML pages.
- Developed front-end Java Servlet code to handle web form submissions.
- Maintained Java JNDI logic used to authenticate users and retrieve data from an LDAP server.
- Wrote automated JUnit tests to simulate web-user interaction and validate application functionality.
- Used JavaMail to provide webmail functionality by reading and displaying IMAP mail messages.
- Conducted company-wide demonstrations to highlight new product features.
- Communicated with product management and engineering departments to clarify the marketing requirements for Sentrion™.
- Designed all 100+ web pages for Sentrion™ based on the clarified list of marketing requirements.
- Assisted in the development JSF pages for Sentrion™.

CoroSoft, Inc., User Interface Engineer 12/2002 – 06/2003
Contributed to the development and marketing of CoroSoft Director™ and CoroSoft Traffic Manager™, two datacenter automation software products for Linux. Co-owner of the web interface components for these products. Accomplishments:

- Provided immediate help to develop and test the initial version of CoroSoft Director™.
- Designed new web pages for querying, submitting, and displaying datacenter automation data.
- Revised navigation, layout, and presentation of existing web pages to improve aesthetics and usability.
- Wrote Perl scripts to process CGI requests and output web page data.
- Outlined and produced Flash-animated demos to showcase key features of CoroSoft Director™.
- Designed corporate and product banner images using Adobe Photoshop.

NexTag, Inc., Web Application Developer 07/2002 – 11/2002
Primary owner of all front-end and user-interface related issues for Nextag.com. Accomplishments:

- Designed a variety of dynamic ad prototypes to attract traffic to our site.
- Converted these dynamic ad designs from Photoshop images to HTML and, ultimately, to JSP.
- Drafted user interface specs, along with HTML mockups, for new features added to our site.
- Wrote and maintained HTML/Java code in JSP files to implement necessary changes to the NexTag site.
- Constructed database tables and SQL queries to store and retrieve user feedback data.
- Organized and administered usability sessions with sample users to collect feedback on our site.
- Interpreted user feedback and log analysis reports to identify usability problems with our site and formulate solutions to these problems.

Slam Dunk Networks, Web Developer 09/2000 – 07/2002
Sole owner of the front-end component of the Slam Dunk Networks portal. Accomplishments:

- Designed and developed XSL-based web pages to manage network and account information.
- Conducted user interviews and redesigned web pages based on user feedback and usability guidelines.
- Restructured code and improved GUI layout for the Unwrap Tool, a Java Swing application.

EDUCATION **AOMA Graduate School of Integrative Medicine** 08/2010 – 12/2014
Master of Acupuncture and Oriental Medicine received. Certified by Texas State Board of Acupuncture Examiners, License #AC01642.

Massachusetts Institute of Technology 08/1999 – 08/2000
Masters of Engineering degree received in Electrical Engineering and Computer Science. Master's thesis entitled "A Web-Based Usability Tool for Assessment of Small-Screen GUIs".

Massachusetts Institute of Technology 08/1995 – 08/1999
Bachelor of Science degree received in Electrical Engineering and Computer Science.

REFERENCES Available upon request.