# Nathaniel Blumberg

<https://nblumberg.github.io/resume/resume.html>

10 University Park, Waltham, MA 02453 | (781) 609-2134 | [nathanielblumberg@gmail.com](mailto:nathanielblumberg@gmail.com)

A savvy software developer with 20 years experience blending coding, design and usability to produce intuitive tools and games.

## Technical Skills

**Expert:** Agile, AJAX, AMD, Angular, Confluence, cookies, CORS, CSRF, Excel, git, github, grunt, HipChat, HTML, IntelliJ, Istanbul, Jasmine, Java, JavaScript, JIRA, jQuery, jQuery-UI, JSON, JSONP, JSP, JSTL, karma, localStorage, Mockito, postMessage, sessionStorage, SourceTree, XML

**Experienced:** ActionScript, Adobe Analytics, Adobe Target, Backbone, Bootstrap, C, C++, CommonJS, CSS, CXF, dotCMS, Eclipse, ehcache, Flash, Flash Builder, Flex, FlexUnit, Grafana, Handlebars, httpd, Illustrator, JBoss, jetty, JMX Console, JUnit, Mustache, mvn, New Relic, node, npm, nvm, Optimizely, Photoshop, PowerPoint, Protractor, RequireJS, REST, SASS, SCSS, Spring, SQL, StatsD, svn, Tomcat, Word, wro4j, XPath, XQuery, XSLT

**Familiar:** Access, Akamai, AppleScript, ASP, Bugzilla, Cloudflare, COM, CVS, cwRsync, DB2, Dojo, EJB persistence, flex-mojos, fluint, FreeMarker, Graphite, ImageReady, InCopy, JDBC, Merant Tracker, MFC, mock4as, mPulse, RCS, Selenium, SOAP, Splunk, Tealium, Trello, UML, VBScript, Velocity, VersionOne, Visio, Visual Studio, VSS, WSDL, YTS

## Professional Background

Endurance International Group (acquired Constant Contact, 2016) Waltham, MA

Advisory Software Engineer August 2016 – present

Most senior development role within the organization. Responsibilities include those of prior positions in addition to the following:

* Serve as technical lead for several areas of the company code base.
* Architectural design of software across teams in a distributed, micro-service environment.
* Spearhead technological solutions to improve application monitoring, performance, code coverage, automated testing, security, and development velocity.
* Act as a member of the technical council for the CTO, submitting and steering large-scale initiatives for the engineering organization.
* Promote technical education, documentation, and best practices across the engineering organization.

Principal Software Engineer April 2014 – August 2016

Generally, the most senior development role within a team. Responsibilities include those of prior positions in addition to the following:

* Act as technical liaison to other teams inside and outside the engineering organization.
* Oversee team code quality.
* Facilitate team velocity.
* Act as mentor to other team members.
* Created new home page and listing pages unifying the separate products (email, events, social campaign, survey, etc.) into a single interface. Aggregated data from almost every micro-service at the company into a single, high-performing, mobile-responsive page view. Helped lead disparate teams to a common data model. Created entry points into the wizard flows for each product. Implemented an automated onboarding checklist for new users. Supported numerous user experience A/B tests.

(Adobe Target, AJAX, Akamai, Angular, Cloudflare, cookies, CORS, CSS, CXF, ehcache, grunt, Handlebars, HTML, httpd, Istanbul, Jasmine, Java, JavaScript, JBoss, jetty, jQuery, jQuery-UI, JSONP, JSP, karma, npm, nvm, Optimizely, SASS, sessionStorage, Spring, Tomcat)

* Architected and implemented a mobile responsive "site chrome" (navigation, messaging, account, and company data UI elements that can vary by account) as a set of static assets served from a CDN that could be self-configured and injected on every page without interfering with page content or requiring its direct involvement. Build process supported creating various internationalized versions of the site chrome. Supported targeted marketing and billing messaging.

(Adobe Target, AJAX, Akamai, CSS, dotCMS, grunt, Handlebars, HTML, Istanbul, Jasmine, JavaScript, jQuery, karma, localStorage, npm, nvm, postMessage, SASS)

* Implemented JavaScript frameworks and APIs for capturing the following data from the browser and proxying them to the following services:
  + page performance → StatsD/Graphite/Grafana dashboards
  + page view and user interaction event tracking → Adobe Analytics
  + RUM data → SOASTA mPulse
* Supported passive page view and user interaction event tracking, allowing developers to simply annotate DOM elements with data attributes to achieve click tracking.

(Adobe Analytics, AJAX, CORS, CXF, Grafana, Graphite, grunt, Istanbul, Jasmine, Java, JavaScript, JSON, JSONP, karma, mPulse, npm, nvm, Spring, StatsD, Tealium)

Senior Software Engineer II April 2013 – April 2014

* Architected and implemented a configuration and iframe based web portlet framework to allow the company to break up the single "monolithic" application into separate teams, repositories, technology stacks, and deploy schedules while maintaining a unified UI. Architected and implemented an accompanying JavaScript API that was loaded and consumed in all applications and windows to provide common, inter-application and cross-domain functionality and communication. Supported in-browser overrides of configuration data for development and testing against locally running applications.

(AJAX, AMD, Cloudflare, cookies, CORS, CSS, grunt, HTML, httpd, Istanbul, Jasmine, Java, JavaScript, JBoss, jetty, JMX Console, jQuery, jQuery-UI, JSONP, JSP, karma, localStorage, npm, nvm, postMessage, sessionStorage, Spring, Tomcat, XML)

* Re-implemented the email creation and management wizard flow again as a separate Spring application and microservice.

(AJAX, CXF, DB2, EJB persistence, Java, JavaScript, JDBC, jQuery, JSP, Spring, SQL)

Senior Software Engineer April 2011 – April 2013

* Expert in all areas of team responsibility.
* Re-implemented the email creation and management wizard flow using Spring POST-back form transitions.

(Java, JavaScript, jQuery, JSP, Spring)

* Streamlined the management of stock images available to customers

(Excel, Java, JSP, Spring)

Yahoo! Inc. (acquired Maven Networks, 2008) Cambridge, MA

Senior Software Applications Developer October 2006 – February 2011

Took a leadership role developing web-based tools managing online video hosting, metadata, and monetization: First for Maven Networks’ publically licensable system, and following its acquisition by Yahoo!, for various internal content management systems (CMS), enabling editors to handle their own video needs without engineering support.

* Yahoo Content/Video Platform Console: Consisted of an application chrome wrapping modular sub-applications that could be slotted in and enabled by the current user’s authorizations. Integrated a series of Yahoo services to include sub-applications for:
  + Managing accounts, users, and authorizations
  + Viewing customer video usage analytics
  + Managing video player configurations and hosting
  + Managing videos, playlists, and their metadata (includes all the video functionality of the Maven Console below)

(Adobe Flex/Flash/FlexUnit/Fluint/Mock4AS, JavaScript, AJAX, REST, Maven, Flexmojos, Firebug, YInst, YTS, Agile, VersionOne)

* Maven Console: allowed users to upload videos and thumbnails into a CMS, browse/search for videos, edit video metadata and availability, organize videos into playlists, and associate videos with specific player configurations. Users could also create player configurations by customizing base player UIs (each defined by a Flash swf) with uploaded images or colors chosen in the Console.

(DHTML, JavaScript, AJAX, Flash CS3, Apache, Internet Explorer Developer Tools, Microsoft Developers' Studio)

**Prior experience available online:** <https://nblumberg.github.io/resume/resume.html>

## Education

Tufts University 1998

Bachelor of Science in Computer Science, Human Factors & Ergonomics concentration

GPA 3.82, Summa cum laude