

Benjamin Steyaert

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Summary

Love for blending the visual, data and tech with the end user. I am passionate about technology and automation, with a strong background in leading teams, developing innovative solutions, and enhancing user experiences. I have successfully managed projects that streamline web component development, website migrations, implement AI capabilities, site analytics and ensure seamless user experience including A11Y. I prioritize maintaining high standards in security and documentation, implementing automated systems for efficiency, accuracy and consistency.

Specialties

Proficient with HTML, CSS3/LESS, TypeScript, Vanilla JS, React, NodeJS, Astro, UX, Mobile First RWD, A11Y, Solving Problems, Automation, Communication, Team Building, documentation, product/pipeline development

Experienced with Figma, Yarn, Brew, Grunt, Jinja, Git/SourceTree, Linux/Ubuntu, Bootstrap, Jekyll, WordPress, Jest, Playwright, Axe, unRAID, pipeline integration, Agile/Waterfall

Familiar with MongoDB, MySQL, JSTL, Java, Sketch, Robot Framework, Heroku, networking

Work Experience

Dec 2023 - Current

FUDTA, Fremont – *Pro Bono*

- Site Redesign: Working with Union Members to develop a new brand that represents the Fremont Union of teachers. Designed using FIGMA to visualize all components, pages and breakpoints.
- Worked closely with Board members to determine requirements, priorities, future implementation of Google Drive, and member authenticated sections.
- Platform/Technologies: Headless WordPress, GraphQL to AstroJS for generating static pages, NodeJS/Passporr for routing and authentication.
- Accessibility: Met WCAG requirements using Playwright and Wave Evaluation Tool.
- Workflow: Creating a workflow process to streamline documentation, distribution and publication of content.
- Development Training: Worked with the staff to better utilize the tools available to reach all members. This included one-on-one training with union members, development of documentation, and creation of a client kit.

April 2023 - Current

Sabbatical, Remote – *Self Funded*

- Obsidian-to-Jekyll: A build process to convert MD file documentation to static blog site for future references and showcase personal technical achievements.
- Livermore Cares: Static site with react components built to organize community members to advocate for better city representation. Data compiled and deployed daily providing static content via REST API.
- Home Automation: Utilizing HomeAssistant, MQTT, ESPHome, Frigate, Node-RED, and other technologies to control wired, WiFi and Z-Wave devices based on presence, motion, time, luminosity, or events. Adhering to the ethos: "The best technology is the technology you don't notice."
- AI Integration: Leveraged Ollama/LLMS and a Google Coral TPU to reduce dependence on cloud-based AI for TTS/STT, local automation, code development assistant, etc.
- Homecloud: 22U server to facilitate home lab learning and experimentation of future technologies. Using unRAID, VMs for various purposes, headless Ubuntu server setups for CI/CD pipeline practice. Included deployment of commercial-grade hardware.

June 2014 - March 2023

Salesforce, San Francisco – *Senior Member of Technical Staff*

- SFDC Web Components: Led a team to develop a monorepo for a micro-component frontend web library. This project provided a platform for the rapid development of web components, allowing authors to build a

customer-facing headless brochure site reaching 16 million UVP. The project emphasized continuous deployment of Figma designs provided by the marketing team while ensuring A11Y compliance, code coverage, and visual regression testing. Additionally, it implemented on-demand Heroku environments. The package was designed to integrate seamlessly with a static page generator and other organizational teams.

- **Global Navigation:** Solely developed and delivered a unified navigation system for both mobile and desktop. This solution eliminated the need for separate navigation systems, reducing authoring time and additional page weight. The project included developing wireframes, prototypes, deployment, and work estimation. The navigation system served as a single source of truth, managed by multiple content creators across different countries, supporting 22 languages, and meeting full A11Y compliance.
- **Dreamforce.com:** Led development teams 2013-16 to introduce new technologies for rapid and collaborative development, achieving multiple firsts including Salesforce first responsive framework. Enhanced user experience with simplified navigation and content structure, developed an ROI calculator to facilitate worker requests to join Dreamforce, and built an event viewer displaying all events and sessions through REST API.
- **Accessibility:** Initiated the development of a site-wide library to ensure compliance with all A11Y standards. Collaborated with internal A11Y teams to document requirements and gain user insights. The library encompassed global site, inner page, and content navigation features such as tabs, galleries, tables, supporting all breakpoints and devices.
- **Team Lead:** Led multiple teams of 3-5 engineers, QE, and remote engineers through daily operations, serving as SCRUM lead and mentoring team members. Addressed technical issues and facilitated project planning. Collaborating with other teams leads in discussing expectations, definitions of done, and alignment between IT and Marketing.
- **Replatform and Site Migration:** Collaborated with design, DevOps, and business teams to develop a strategic plan, aligning on planning, expectations, scheduling, and schema contracts.
- **Analytics Integration:** Worked with the Analytics team to determine site specific tracking for user interaction. – *Drupal, JS, jQuery, Adobe Omniture, Google Analytics*
- **SFDC Style Guide:** Main proponent in developing a style guide to align marketing and creative with the various visual styles and terminology. – *MongoDB, Node.js, Express, LESS, jQuery, Heroku*
- **Product Page Redesign:** Lead development efforts in developing the main product content sections that represent the wide available products. *jQuery, CSS3, Java, JSTL, OpenCMS*
- **Salesforce Live:** Video platform showcasing live and pre recorded videos – *Adobe Experience Manager, LESS, jQuery, Java*

February 2012 - June 2014

Salesforce, San Francisco – *Member of Technical Staff*

- **Scrum Master:** Facilitated the team's success by coordinating with marketing and assisting in finding solutions to blockers.
- **Common RWD Framework:** First Responsive website for Salesforce, becoming the foundation framework for all Salesforce.com sites. Worked with lead developer to design, and build a granular RWD framework that would be used across all Salesforce.com pages.
- **Navigation Redesign:** Collaborated with creative in developing a new off canvas mobile navigation – *jQuery, CSS3, JSTL, OpenCMS*
- **Dreamforce 2013:** Proponent to design DF13 mobile first. Using the new Salesforce RWD framework, mobile development practices were
- **Common RWD Framework:** Worked with lead developer to design, and build a granular RWD framework used across all Salesforce.com pages. Design considers easy implementation by web managers to create new content with simple vernacular
- **Dreamforce 2012:** Worked with marketing to complete an overhaul based on analytics to simplify the navigation, layout, and UI for better user interaction. First RWD Salesforce site. – *jQuery, CSS, JSTL, OpenCMS*.
- **Data.com:** Developed all the page templates and styles for Data.com – *jQuery, CSS, JSTL, OpenCMS*

September 2011 - January 2012

Workforce Logic, San Francisco – *Web Developer Contractor*

- Create HTML templates for backend developers to implement with a .NET web app.
- Worked closely with UX and creative to provide feedback on UI

July 2010 - September 2011

Practorian Group, San Francisco – *Web Manager*

- Contributed to user interface design mockups and designs
- Worked with product development team to develop and enhance usability
- Handled markup maintenance and front-end development for 20+ websites

- Developed a newsletter web application used by production and editorial staff to deliver 80+ templates to 700,000 recipients. Each template was created to minimize template shift and maximize HTML rendering within popular email clients.

March 2006 - July 2010

AppleBox Studios, San Luis Obispo, CA | Honokowai Maui, HI – *Owner*

- Performed website contract work for small businesses and working professionals.
- Met one-on-one with clients in exploring the best possible options for their web presence.
- Handled duties ranging from creative design to code implementation.
- Developed client solutions through WordPress blogs, static sites, and eCommerce platforms.

April 2008 - June 2008

California Polytechnic State University, San Luis Obispo, CA – *Instructor*

- Introduced students to correct semantic HTML and CSS.
- Developed projects to apply their knowledge to relevant projects.
- Taught lessons in proper image formats and optimization through Photoshop.

Education

2004 - 2006

California Polytechnic State University, San Luis Obispo – *BFA Graphic Design*

2002 - 2004

Cuesta College, San Luis Obispo – *Associate of Arts*

2000

Boy Scouts of America– *Eagle Scout*

1999

White Stag Leadership Development – *Leader of the Year*