

# Lyza Danger Gardner

Web Developer and Advocate

Chester, Vermont, USA

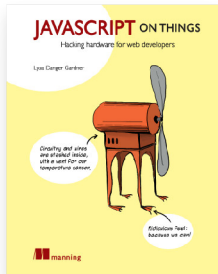
+1 (503) 789-5611

✉ [LYZA@LYZA.COM](mailto:LYZA@LYZA.COM)

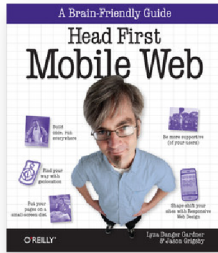
[www.lyza.com](http://www.lyza.com)

A full-stack web developer with a frontend emphasis, I have **over 25 years of experience** developing with and advocating for the open web platform. I understand how the web works and my work is united by open-source web technologies and stellar colleagues. I'm motivated by figuring things out, building stuff and synthesizing complex information into written or spoken form.

## Works



*JavaScript on Things: Hacking Hardware for Web Developers*



*Head First Mobile Web*

I've written two books, chapters in *numerous books, columns and articles*, and have been *interviewed and featured in technical publications*. You can view *my contributions and activity on GitHub* — nearly all of my technical implementation work is public.

## What I Can Do

### web development and fundamentals

- HTML
- JAVASCRIPT
- CSS
- OPEN WEB STANDARDS
- WEB APIS
- ACCESSIBILITY
- PERFORMANCE

### exquisite written and spoken communication

- BOOKS
- ARTICLES
- CONFERENCES
- TUTORIALS

## Experience

### Hypothesis

*Jan, 2018 - Aug, 2023*

#### Lead Engineer and Technical Project Lead

At Hypothesis, I participated in the leadership of a world-class team of technologists, building a product that continually pushed the edges of what was possible to do on the web. **Described as the team's "glue", I:**

- **synthesized and distilled product needs** out of a complex and sometimes-conflicting landscape, building plans for feature development and design
- **applied broad, multi-disciplinary implementation skills:** coding, technical design, UI/UX, communication, software workflow, and testing — continually delivering exceptional results.
- **brought people together** with technical project management, empathy, mentorship and consensus-driven teamwork. Drove the creation of team engineering values, divining shared values and setting aspirational direction. Refined team processes, such as sprint planning and work cadence.
- **got big things done** with an ownership mentality: followed through on big, architectural projects, leading to boosts in performance, reliability and productivity.
- **brought design thinking and humanity to my work:** designed feature UI; created design systems and built associated library of reusable components; was instrumental in achieving WCAG 2.1 accessibility compliance; reduced CSS payload by 50%.
- **retained commitment to open web standards:** aided in design and implementation of APIs conformant to W3C Web Annotation specifications; pushed the edges of web platform APIs.

### Bocoup

*May, 2016 - Jun, 2017*

#### Open Web Engineer

At Bocoup, I continued in my dedication to support and advocate for the open web platform through open-source contribution, open-source-centric consulting projects, and involvement in web technology standards bodies.

During collaboration with Mozilla on a web-testing project, unearthed a decades-old bug across browsers in the anchor element's `target` attribute.

- WORKSHOPS
- CODE REVIEWS

### ***empathic, values-based technical leadership***

- TEAM LEADERSHIP
- PROJECT MANAGEMENT
- STANDARDS STEWARDSHIP
- PROCESS MANAGEMENT
- OSS CONTRIBUTOR
- MENTORSHIP

### ***full-stack web application development***

- FRONTEND AND BACKEND
- NODE.JS
- TYPESCRIPT
- PYTHON
- PHP
- REACT, OR
- JS FRAMEWORK DU JOUR
- TAILWINDCSS, OR
- CSS THINGY DU JOUR
- API DESIGN
- SQL

### ***software development methodology***

- PROJECT ARCHITECTURE
- PRODUCT DEVELOPMENT
- DESIGN PATTERNS
- VERSION CONTROL / GIT
- TESTING
- TEAMWORK
- WORKFLOWS

### ***design thinking and technical humanity***

- DESIGN SYSTEMS
- RESPONSIVE DESIGN
- ACCESSIBILITY
- WAI-ARIA
- USER EXPERIENCE (UX)
- USER INTERFACE (UI)
- FEATURE DESIGN
- ALWAYS LEARNING

Built hardware prototypes on LoRA (wide-area, low-power networking) and other embedded systems using open web technologies.

## **Cloud Four**

*Sep, 2007 - Apr, 2016*

### **Co-founder, CTO**

Cloud Four is a leading web design and development agency that works with organizations to make the most of the modern web through design systems, responsive web design, and progressive web apps. We pioneered the mobile web. Highlights:

- With co-founder Jason Grigsby, literally wrote the book on the mobile web (*Head First Mobile Web*, O'Reilly)
- Collaborated to build the Obama '08 iPhone app, one of the earliest apps in the App Store
- Helped Walmart design responsively
- Built mobile web apps for clients such as Hautelook and Deschutes Brewery
- Organized and hosted the Responsive Field Day event, attracting speakers and attendees from around the world

## **Intel**

*Dec, 2004 - Mar, 2006*

### **Internal Communications Specialist and Web Developer**

Led visual redesign and optimization of Intranet Web site to coincide with new worldwide corporate branding and logo launch. Championed for new media options (RSS, blogging, etc.) and interactivity at dawn of Web 2.0 era. Covered news beats such as mobility and technology standards, and wrote a widely-read biweekly column ("Lyza Log") which explored new and novel technologies.

## **Kavi**

*Aug, 1997 - Sep, 2007*

### **Professional Services Web Developer**

## **Education**

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### **University of Birmingham**

*2000 - 2001*

### **Post-graduate study, Computer Science**

### **Portland State University**

*1993 - 2000*

### **Bachelor of Arts, Arts and Letters**