Brian Kardell

Front-end Engineer

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EXPERIENCE

Apollo Education Group
Sr Front-end Platform Engineer/Co-Lead

July 2005 - November 2018

- Helped increase developer productivity/front-end quality, consistency, accessibility and ease of maintenance by working closely with design, development and accessibility teams to develop reusable Custom Elements (including early precursor Custom Element-like solutions in 2007 and later Angular directives) encapsulating answers to otherwise hard questions for our Web developers/designers and allowing declarative reuse.
- Integrated accessible and responsive components with CMS authoring solutions
- Created multi-approach means toward getting and tracking accessibility progress/reports across numerous properties.
- Designed multi-domain solutions with URL/path architecture in order to allow vastly increased shared browser caches, coordination and participation across many domains.
- Helped architect and deliver a horizontally scalable, high-performance, multi-tenant HTTP hybrid app server/build and companion basic architecture/best practices for Front-Ends. Serves more content than all their existing application servers combined orders of magnitude faster response times than the next fastest.
- Reviewed, evaluated and revised recommended common JavaScript libraries and front-end development approaches focused on 'standards first' and longevity.
- Increased code quality by helping to deliver a standard, Jenkins-style auto-build/lint/test system with Grunt, Bamboo, QUnit, Jasmine (indirectly) and axe.

JBoss
Configuration Conversion Utility

AUGUST 2004 - JANUARY 2005

- Lowered the cost of moving existing Web applications to JBoss by creating a utility for automated conversion of competitor's XML and property-based configuration files. Presented at JBoss World in Barcelona in 2004.

SKILLS

HTML, CSS, JavaScript and related/developing Web standards/libs

HTTP / Various Web and Application servers

Node / Various tools and libraries

Java / Various frameworks

Reasonableness / Articulation / Strong interest in bettering the future Web.

AWARDS / HONORS

CO-FOUNDER / CHAIR OF THE W3C EXTENSIBLE WEB COMMUNITY GROUP

.NET MAGAZINE 'GAME CHANGER OF THE YEAR' NOMINEE 2014
[The Extensible Web Manifesto](#) which I helped organize and co-author was among the nominees in 2014.

.NET MAGAZINE 'BEST COLLABORATIVE EFFORT OF THE YEAR' NOMINEE 2014
The [Houdini Task Force](#) which I helped instigate through work with the CSS Working Group and the W3C Technical Architecture Group (TAG), champion through guest blogs and named was nominated in 2014.

Arizona State Retirement System

MAY 2004 - AUGUST 24

- Delivered a Java client/server to query Oracle, create XML formatted data, queue and manage its binding with an Adobe middleware system for generating PDF for print and archive.

McKesson Health Solutions

2003 - 2004

- Delivered what would become the system of record for pharmacists filling prescriptions, drug companies providing narcotic samples to doctors and pharmaceutical sales by creating Web Services and rich front Web-based interface.

Systems and Software

2003

- Rich (SPA) Web-based client and middleware to interface with legacy COBOL systems via XHR, XML/XSLT..
- Developed an early QUnit-like test utilities for the front-end and reusable UI components by wrapping up JavaScript, DOM, CSS into Java custom tag libraries.

4 Lane Digital

2000 - 2001

- Front-end/Middleware for a startup creating turn-key online presence for small to medium sized print publishers.

Lynx Systems, Inc

1996 - 2001

- Led front-end and middleware on numerous Web projects with many interesting qualities tracking advances in the newly developing/spreading Web.
- Created early rich client SPAs using iFrames and JavaScript for client/server communication.

EDUCATION

University of Vermont

1997 - 2000

No degree (lack upper-level Art History course). Independently designed major in CS and Multimedia. Dean's List/National Honor Society.

JS Foundation Representative to several W3C Working Groups and Community Groups HTML, CSS, Accessibility Task Force (and other less well-known CGs)

Invited Guest Blogger / Speaker Numerous outlets

Edinboro University of Pennsylvania

1993 - 1994

No degree. Various coursework. Dean's List/National Honor Society.