

Brian Kardell

Front-end Engineer

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EXPERIENCE

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

July 2005 - November 2018

- Worked on all aspects of front-end architecture, consulted with other architectural teams
- Helped increase developer productivity, quality, consistency, accessibility and ease of maintenance by working closely with design, development and accessibility to define reusable declarative solutions (Custom Elements/pre-cursors, angular directives, etc)
- Integrated accessible and responsive components with various 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.
- Created 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, an order of magnitude faster than any of them.
- Reviewed, evaluated and revised recommended common JavaScript libraries and front-end development approaches focused on 'standards first' and longevity.
- Worked on standards committees, internal and external
- Integrated modern tooling and approaches for auto-build/lint/test system with Grunt, Bamboo, QUnit, Jasmine, axe, Babel and SASS .

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.

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.

**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

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.

SKILLS

HTML, CSS, JavaScript. and related/mature and yet developing Web standards, ES2016-18, Custom Elements, ShadowDOM, Service Workers, IndexedDB, WebSpeech, CSS Custom Properties

Numerous JavaScript libraries for both client and server.

Numerous build systems/transpilers like grunt, webpack, Babel, maven, ant, etc. and build tool/plugins to improve process like SASS, PostCSS

Various Front-end Frameworks, react, Angular, ember, polymer

HTTP / Various Web and Application servers: Express, Apache, Tomcat, JBoss, WebLogic, WebSphere

Node / Various tools and libraries

Java / Various frameworks

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

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.

Edinboro University of Pennsylvania

1993 - 1994

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