STATS

#1 company in the Fortune 500
#1 world retailer
#2 online retailer in the U.S
CHALLENGES

- 80 million monthly visitors
- Up to 10,000 requests per second
- 15 million items, adding more than one million new items each month
- Dozens of applications make up walmart.com
WE BELIEVE IN OPEN SOURCE SOFTWARE
GOING BEYOND
### Electrode Platform

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<th>Isomorphic Application Archetype</th>
<th>Component Archetype</th>
<th>Electrode Node.js module Archetype</th>
<th>Electrode Electrify</th>
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<td>Electrode Server (Using HapiJS)</td>
<td>CSRF</td>
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<td>HapiJS Web Server Framework</td>
<td>Server Side Rendering Component Profiling &amp; Caching</td>
<td>Bundle Analyzer</td>
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**Technologies:**
- Node JS Server Runtime Engine
- React & Redux
- CSS
- Stylus CSS Compiler
- WebPack & Babel
- HapiJS Web Server Framework
- Swagger REST API Specs
- CSRF
- Electrode Server (Using HapiJS)
- Electrode Node.js module Archetype
- Electrode Electrify
- Electrode Explorer
- Bundle Analyzer

**Tools:**
- Node JS
- React
- Redux
- HapiJS
- WebPack
- Babel
- Stylus
- Electrode

**Frameworks:**
- Electrode Node.js
- Electrode Electrify
- Electrode Explorer

**Architectures:**
- Isomorphic Application Archetype
- Component Archetype
- Electrode Node.js module Archetype

**Services:**
- Confippet App Config Composer
- Unannounced

**APIs:**
- Swagger REST API Specs

**Profiling & Caching:**
- Component Profiling & Caching

**Analyzers:**
- Bundle Analyzer

**Security:**
- CSRF

**Compiler:**
- Stylus CSS Compiler
REQUIREMENTS

Performance
Developer Productivity
Server Side Render
Reusability
SITES OF WALMART
WHY ADOPT ELECTRODE

core  modules  tools
ELECTRODE MODULES

Performance
ELECTRODE TOOLS

Reuse and Productivity
WHAT’S NEXT?

Performance Improvements
Mixed Mode SSR & CSR
PWA
For mobile ... React Native
CHECK OUT THE BREAK-OUT SESSION ABOUT OUR TRANSFORMATION

electrode.io
github.com/electrode-io
twitter.com/electrode_io