

Frizzle and Q



```
$( "<Sane>XML processing</Sane>" ).text( "in Java" );
```

Chris K. Jester-Young, February 2013
cky@on-site.com @cky944

★ Sane XML processing

Wouldn't it be nice to be able to do this...

```
$("#message").text("Hello, world!");
```

...in Java?

★ Overview

- Frizzle is a Java wrapper for the Sizzle JS library, using Rhino
 - Written by me
- Q is a jQuery-like library for Java that uses Frizzle behind the scenes
 - Written by Mike Virata-Stone

★ It started with a frizzle

- At On-Site, we do a lot of XML processing
 - We integrate with many third-party data providers via XML web services
- In Java, there are two main ways to do this
 - Plain DOM: fast but ugly/verbose
 - XPath: compact but slow for large documents
- Is there a way to do compact *and* fast?
 - Originally, I thought about porting Sizzle to Java
 - Too much work; chose to wrap it with Rhino

★ Bridging the two worlds

- Sizzle is designed to work with browser JS
 - Java DOM is not the same as browser DOM
 - The core of Frizzle is the wrappers that make Java DOM look like browser DOM
 - Indexed getters, innerHTML, etc.
 - In order to learn what DOM methods Sizzle expects, I had to write extensive debug classes
 - Incidentally helped me find a performance bug
 - <https://github.com/jquery/sizzle/pull/184>

★ Never thought it would come to Q

After I showcased Frizzle to my workmates, Mike Virata-Stone got inspired to write a jQuery-like library on top of it.

He was so gung-ho about it, he insisted I put Frizzle on GitHub straight away.

The rest is history. :-)

★ Show me the code

[github:on-site/frizzle.git](#)

[github:on-site/Q.git](#)

On-Site is always hiring, so if you want to be paid to work on these or other cool projects, come join us!