Mutation Observer

What is mutation observer

The MutationObserver interface provides the ability to watch for changes being made to the DOM tree.

It is designed as a replacement for the older Mutation Events feature, which was part of the DOM3 Events specification.
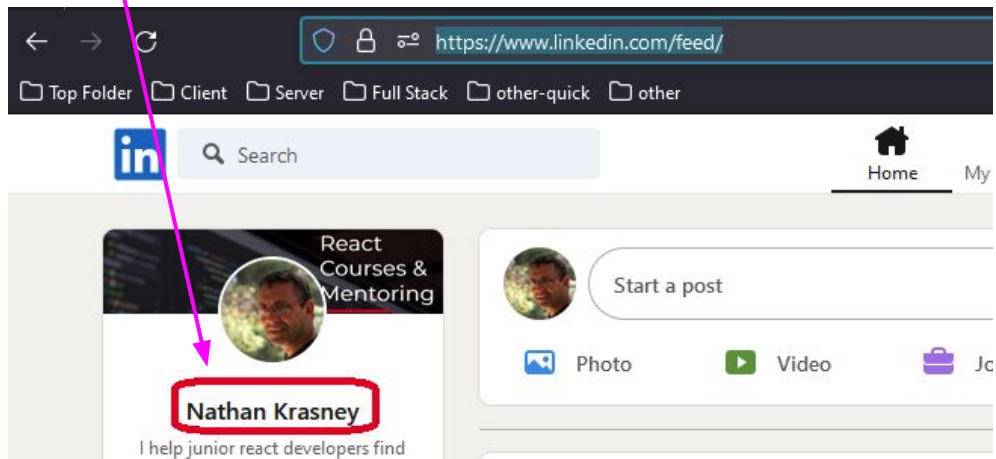
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Motivation for mutation observer

I have a chrome extension that need to scan a linkedin page after it is fully loaded.

For example i want to wait until 'Nathan Krasney' appear in
https://www.linkedin.com/feed/

Another use case may be to click on a button and wait until info is displayed on the DOM

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MutationObserver API

4.3.1. Interface MutationObserver

```
IDL
    [Exposed=Window]
    interface MutationObserver {
      constructor(MutationCallback callback);

      undefined observe(Node target, optional MutationObserverInit options = {});
      undefined disconnect();
      sequence<MutationRecord> takeRecords();
    };

    callback MutationCallback = undefined (sequence<MutationRecord> mutations, MutationObserver observer);

    dictionary MutationObserverInit {
      boolean childList = false;
      boolean attributes;
      boolean characterData;
      boolean subtree = false;
      boolean attributeOldValue;
      boolean characterDataOldValue;
      sequence<DOMString> attributeFilter;
    };
```

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Sample repository

[mutation-observer-playground](#)

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references

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 This Is Unbelievably Powerful - Jan 2022

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