

## Frontend Engineer Professional Development

This document assumes that the readers can imagine themselves as part of a larger discipline outside the scope of their current employer, job description, and skill set. If you find yourself thinking “I will never need this skill at QOMPLX, then you’ve missed the point”.

Destination	Description
<a href="#">W3C</a>	Join and participate in formative <a href="#">web standard</a> groups.
<a href="#">PRAMP</a>	JavaScript Engineering challenges. They have a great FED track.
<a href="#">A11Y Cert</a>	The IAAP Certified Professional in Accessibility Core Competencies (CPACC) credential is IAAP's foundational certification, representing broad, cross-disciplinary conceptual knowledge
<a href="#">Tech Radar</a>	An opinionated guide to technology frontiers

### What is a [Frontend Developer](#)?

A FED is responsible for everything that happens inside of a web browser. That is a vast domain. Consider that the Cyber client alone consists of 40638 lines of custom code. Realize that the modern web browser is among the most complex virtual machines ever created.

### How is this different from a Web Developer?

A Web Developer has only abstract knowledge of native web technologies typically through a popular library. Web developers tend to invest more time solving specific business domain problems with APIs. A web developer will rely on a library to solve layout problems. For example if someone were to say “I know React and Tailwind but I’ve never used CSS grid”; that would be a web developer.

### What are the key quality metrics for a FED?

Generally a FED should produce semantic, discoverable, responsive, [accessible](#), secure, [performant](#), functional, asynchronous, and testable HTML, CSS, and JavaScript/TypeScript. The end result is a fluid UX that easily passes any and all [heuristic evaluation](#).

### What is the FED super power?

A skilled FED can turn a scribble on a napkin into an interactive prototype using only a text editor (no frameworks or wireframes).

### How will Frontend Development be different in five years?

Group discussion