

# Building Your First Lightning Web Component (LWC) for Salesforce

---

## INTRODUCING LIGHTNING WEB COMPONENTS



**Sara Morgan Nettles**

CERTIFIED PLATFORM II DEVELOPER

@SaraHasNoLimits [www.saramorgan.net](http://www.saramorgan.net)



# What Are Lightning Web Components (LWC's)?



Latest programming  
Model for building  
Lightning components



Built using custom  
HTML and modern  
JavaScript



Super lightweight and  
highly performant



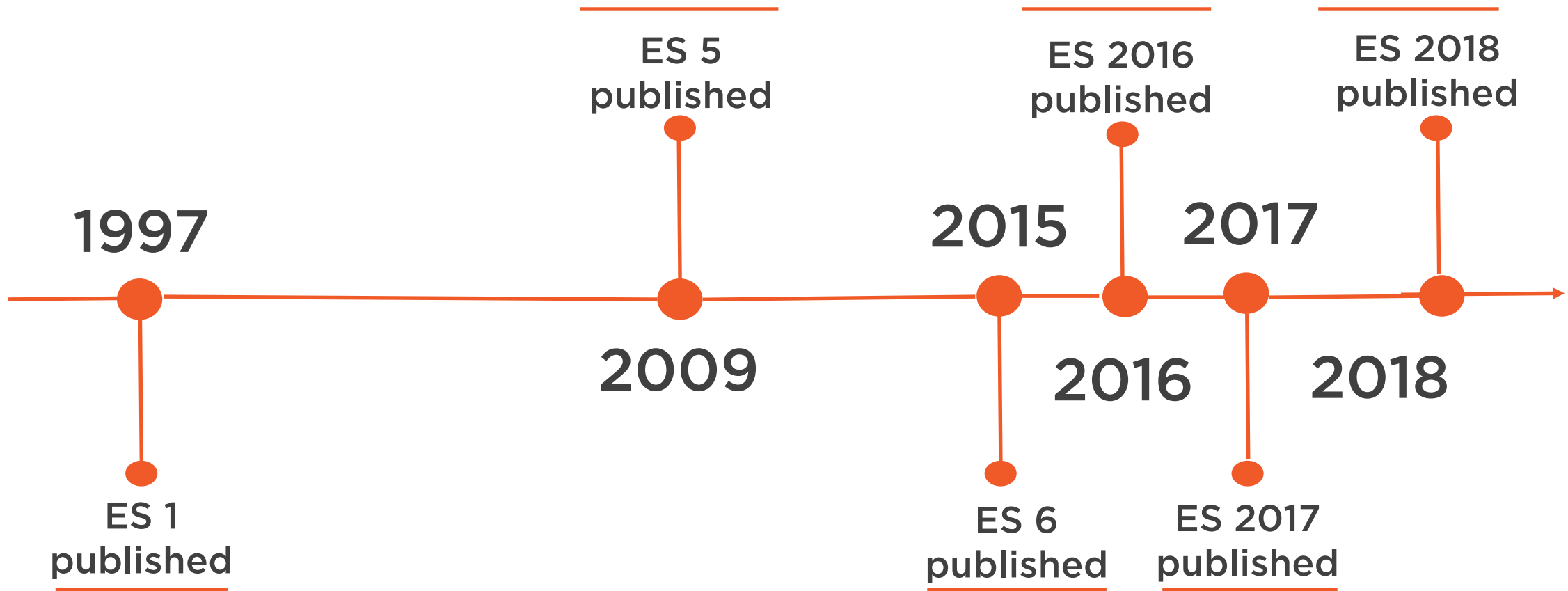


**Hindsight is 20/20**

**Web Standards have changed so much  
since 2014**



# JavaScript History



LWC's involve less  
frameworks and more web  
standards



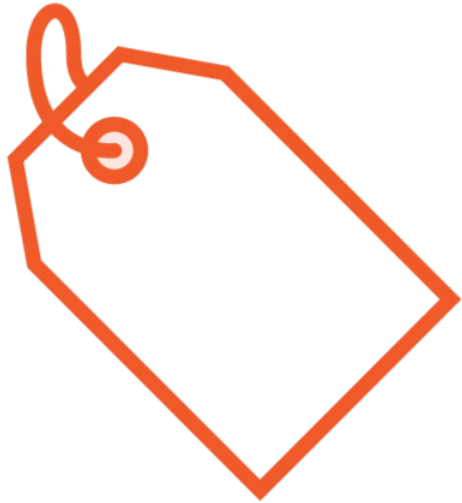
# Benefits of Less Frameworks



**Less overhead**

**Big performance benefits**

# Custom Elements



**Create tags or custom elements**

**Relies heavily on the ES6 class syntax**



# ES Modules



**Import custom elements**

**ES6 brought this about**





# Templates



**Declare fragments of HTML**

**Most powerful part of spec**

# Shadow DOM



**Provides encapsulation**

**No CSS overrides**

**Available in most browsers (except IE11)**



# Why Is It OK to Start Diving into LWC Today?



Salesforce is a current member of the World Wide Web Consortium



Salesforce is an associate member of the ECMA technical committee



Salesforce used LWC internally for one year before it was announced



# What is Lightning Locker?



**Ensures all components run in strict mode**  
**Helps prevent Cross Site Scripting attacks**  
**Allows safe access to third-party JavaScript**



# Module Summary



**What is LWC and why was it built**

**What are web components**

**Why is it ok to jump in to LWC**

**What is the LWC structure**

