



# A Quick Intro to Lightning Web Components

Brett Nelson

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```
const speaker = {  
  name: `Brett Nelson`,  
  url: `WIPDeveloper.com`,  
  workAt: `JustSomeApps.com`,  
  role: `developer`,  
  twitter: `@BrettMN`  
}
```

Who's this person talking to you?



# What Are Lightning Web Components?

- Custom HTML Elements
- Standards Based
- Modern Language Features



To Get Started

- SFDX
- IDE that Supports LWC
  - Visual Studio Code with Salesforce Extensions
  - Illuminated Cloud 2



# Anatomy of a LWC

Containing Folder \*

HTML \*

JavaScript \*

CSS

Metadata XML

SVG Icon

JavaScript Tests

\* required

# Folder Rules



- Name of the component
- Start with lowerCase
- Number and letters
- Must be unique
- No white space

HTML



All the Markup Must have a <template> as the root



Required

ECMAScript 2015\* Module

Can have Additional JS files to share code

Can use 3rd party Libraries

Can make client side API Calls



CSS



All your custom styles  
Uses Shadow DOM  
:host



# Metadata XML



The meta data for the Component

- Required
- Where can it be used?
- What properties does it expose to the UI?



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SVG Icon

An SVG file that is the same name as the component



JavaScript Tests



Sub folder of the component name `__tests__`

Jest Tests

[jestjs.io](https://jestjs.io)



# Talking with Salesforce

A black and white photograph of the Atlanta skyline at night, featuring the Bank of America Plaza and other skyscrapers silhouetted against a dark sky.

Lighting Data Service  
Using the @wire service  
Calling Apex



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Questions?



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