



# WEB DEVELOPMENT

By Uchenna Nnamani

# WHY WEB?

- ❑ **Responsive Design and Progressive Web Apps (PWAs)**
- ❑ **Content Management Systems (CMS)**
- ❑ **E-commerce Platforms**
- ❑ **Search Engine Optimization (SEO) Strategies**
- ❑ **Cloud-based Web Hosting Solutions**

# THE WEB LANGUAGE — FRONT END

Main:

- Hypertext Markup Language
- CSS
- JavaScript





# HYPER TEXT MARKUP LANGUAGE

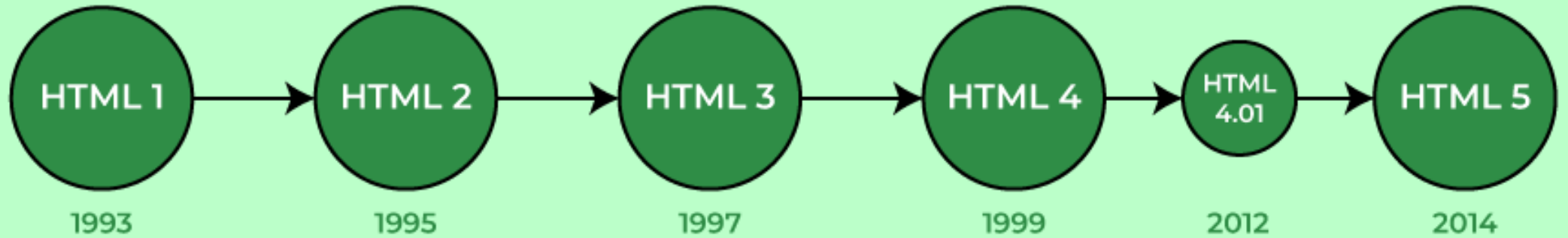
HTML stands for HyperText Markup Language and it is the standard language for creating web pages and web applications. HTML is a “formatting” language not a programming language.

HTML was invented by Tim Berners-Lee in 1989

HTML is based on the concept of hypertext, which is a way of presenting information that allows users to navigate through different topics by clicking on links

# EVOLUTION

## HTML Released Year



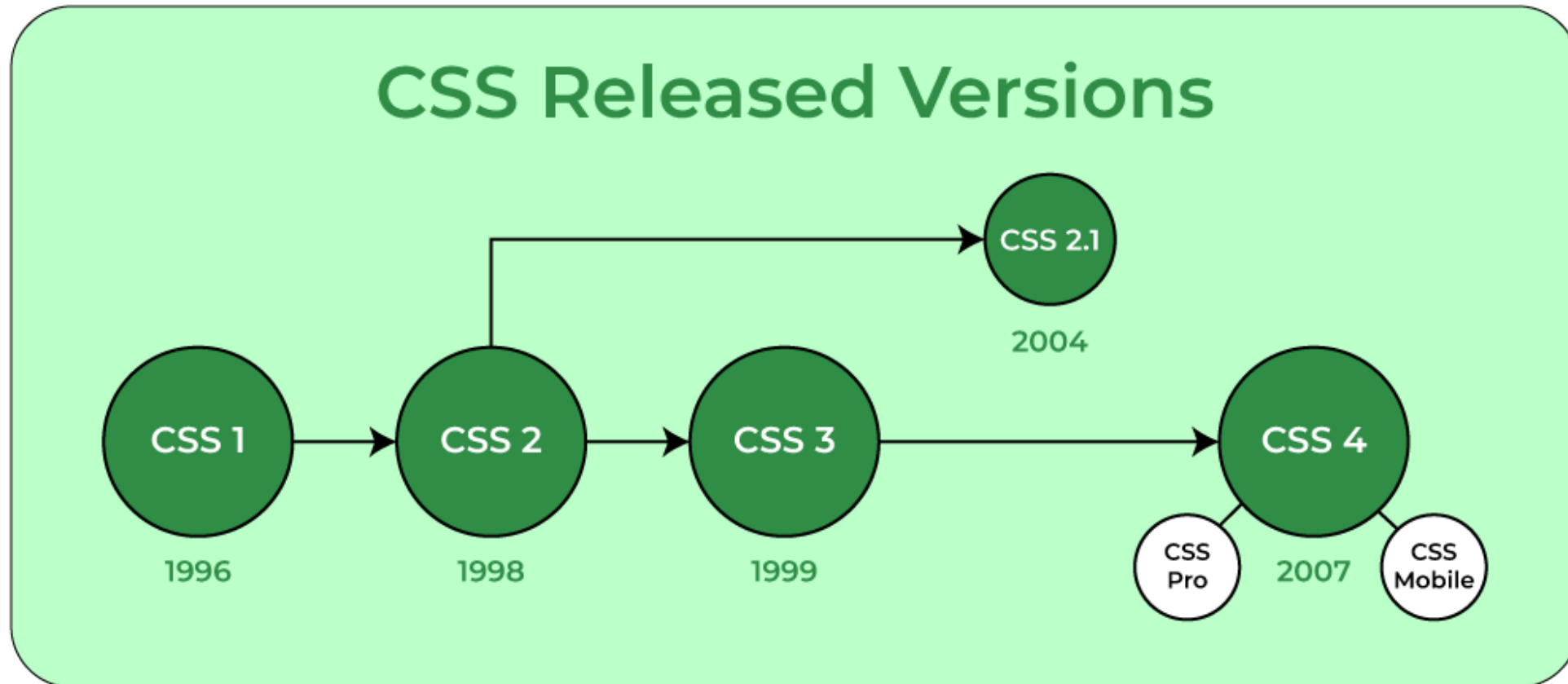


# CSS — CASCADING STYLE SHEET

CSS was created for web designers to change the layout, colors, and fonts of their websites.

CSS was created Håkon Wium Lie to allow web designers to change the layout, colors, and fonts of their websites

# EVOLUTION



# LAYOUT

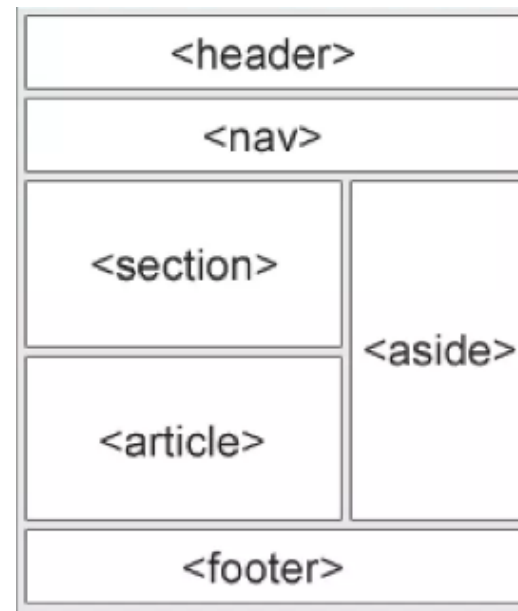
❑ Table

❑ Bootstrap

❑ Grid

❑ Flex

Column	Column	Column
Column		



```
<div class="container text-center">  
  <div class="row row-cols-3">  
    <div class="col">Column</div>  
    <div class="col">Column</div>  
    <div class="col">Column</div>  
    <div class="col">Column</div>  
  </div>  
</div>
```



# JAVASCRIPT



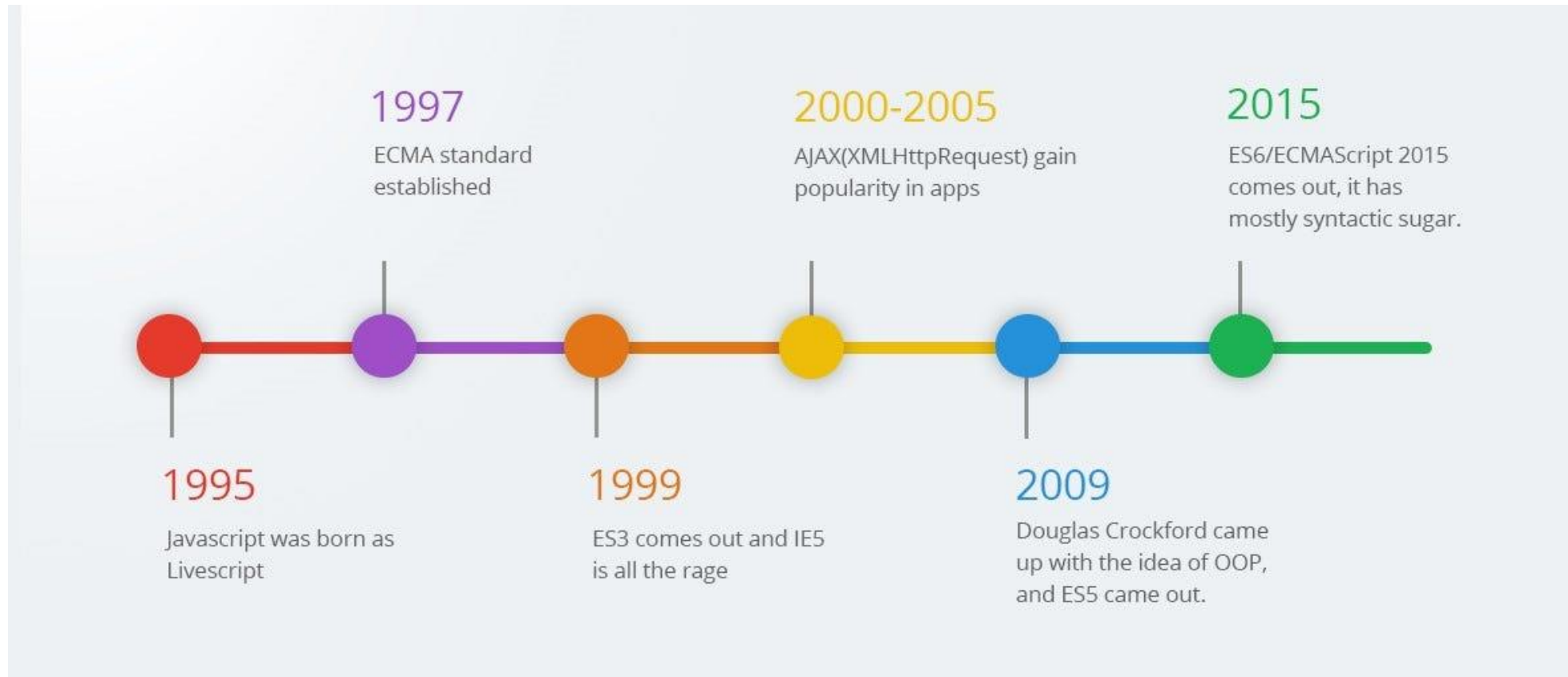
JavaScript is the programming language of the Internet or Web

JavaScript was created by Brendan Eich in 1995 during his time at Netscape Communications

The creators of JavaScript wanted to borrow concepts from other programming languages, such as Java and C

JavaScript is considered a 'loosely' typed language, in which types do exist, but they are not enforced

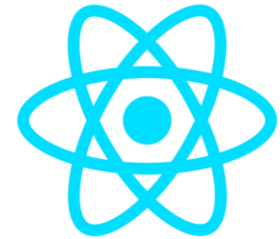
# EVOLUTION



# WEB LANGUAGE ECOSYSTEM

There are many IDEs, tools, Libraries and frameworks for web development

- IDEs - VS Code, Visual Studio, Rider, Eclipse etc.
- Packager and bundlers – Npm (node) , webpack, rollup, SWC
- Tools - Typescript , Linters, Prettier etc.
- Library - React, jQuery etc.
- Angular , Vue etc.
- UI/UX – Figma, Adobe XD ...



# SERVER OR BACKEND



SCALER  
Topics

# FULL STACK DEVELOPMENT



## FRONTEND



HTML



CSS



JAVASCRIPT



REACT



ANGULAR



## BACKEND



PYTHON



JAVA



PHP



RUBY



DJANGO



## DATABASE



MY SQL



MONGODB



POSTGRE SQL



ORACLE



FIREBASE



## TOOLS



VS CODE



GIT



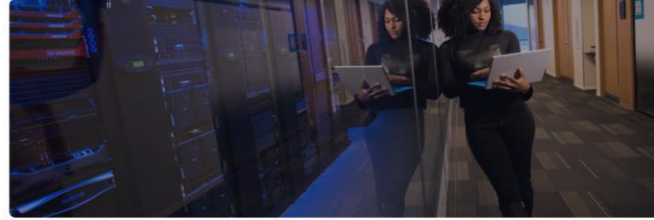
GITHUB



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