

# WHAT THE WEB MEANS TO ME

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**INTERNET?**  
**WORLD WIDE WEB?**





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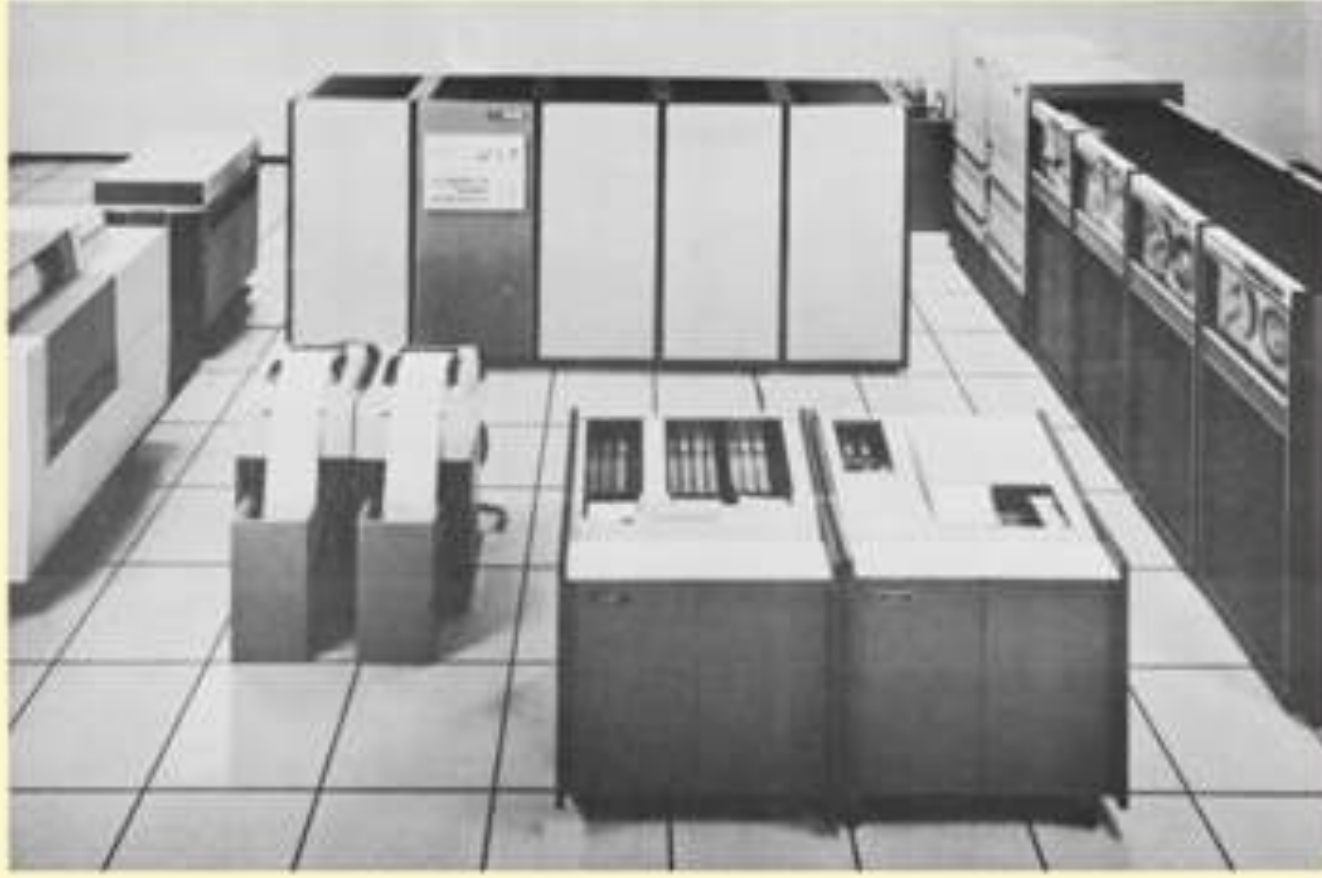




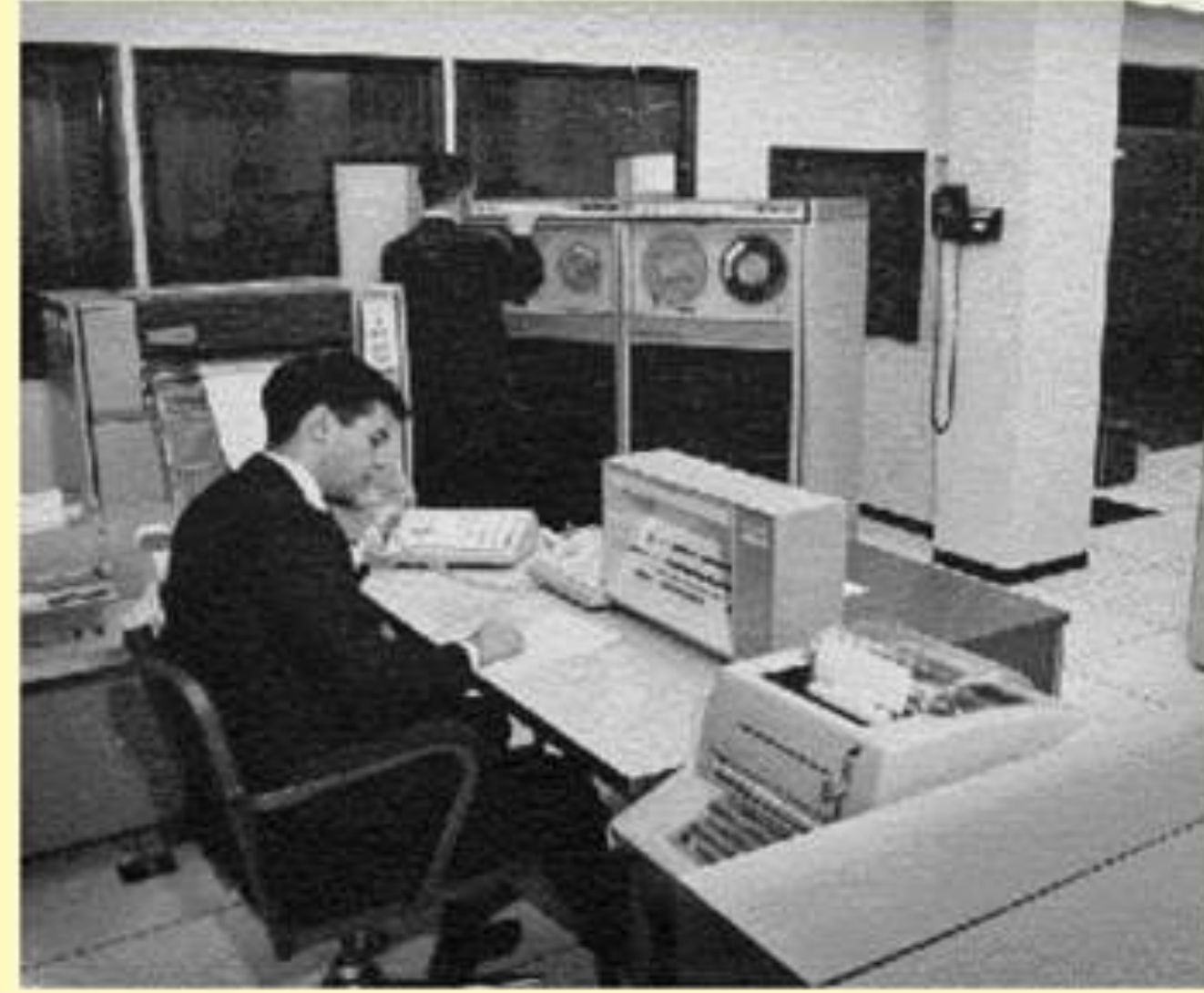




The entire network of networks that connect all the world's devices to each other.



*SDS Sigma 7*



*SDS 940*



*IBM 360/75*



*PDP-10*





*Interface Message Processor*



*BBN ARPAnet team*



# TCP/IP

Transmission Control Protocol / Internet Protocol



*I imagined the web as an open platform that would allow everyone, everywhere to share information, access opportunities and collaborate across geographic and cultural boundaries.*

*—Sir Tim Berners-Lee*



*Sir Tim Berners-Lee*

Information Management: A Proposal

First ever website: World Wide Web



1. HTTP request is sent from your browser to the server where the website lives
2. Server sends a HTTP response back to your browser containing a payload of HTML
3. Browser receives this response, parses the HTML and starts rendering the website
4. New requests are sent to the server for each new resource found in the HTML source (stylesheets, scripts, images etc)
5. Stylesheets get parsed and this information is attached to the relevant nodes
6. Scripts are parsed and executed and the nodes are moved and styled accordingly



Finally, the browser renders the page on screen and you get annoyed that it all took too long







*Clear blue seas in our own backyard*



# PROGRESSIVE ENHANCEMENT

JS

For providing  
dynamic, **interactive**  
capabilities

CSS

For formatting the  
**look** of the web page

HTML

For structuring and  
presenting **content**



# SEMANTIC HTML FIRST

*...however initial pageload feels drastically quicker because we serve up real HTML instead of waiting for the client to download JavaScript before rendering*

*—Spike Brehm (Airbnb)*

Our First Node.js App: Backbone on the Client and Server



# OPTIMISATION IS NOT OPTIONAL

A smaller site/app loads faster, costs less, and is more accessible.

- Responsive images and media
- Optimise webfonts
- Minify CSS and HTML
- Write less code where possible
- Limit use of Javascript libraries
- Load Javascript asynchronously
- Compress assets on the server
- and much more...



**OUR ACTIONS, HOWEVER  
SMALL, DO MAKE AN  
IMPACT**


*The world is generally changed by people who just want to live out their ordinary lives. By people who are just trying to get home.*


*—Mike Monteiro*

**Let Us Now Praise Ordinary People**



# THE END

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