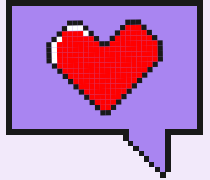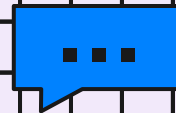# CMS and JAMstack

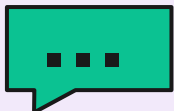## A tale of innovation in web development

Juan Felipe Gomez

ABOUT ME

@gomezJuanEfe

@gomezJuanEfe

BC:Before CMS

World Wide Web

The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists , Policy , November's W3 news , Frequently Asked Questions .

What's out there?
    Pointers to the world's online information, subjects , W3 servers, etc.
Help
    on the browser you are using
Software Products
    A list of W3 project components and their current state. (e.g. Line Mode ,X11 Viola , NeXTStep , Servers , Tools , Mail robot , Library)
Technical
    Details of protocols, formats, program internals etc
Bibliography
    Paper documentation on W3 and references.
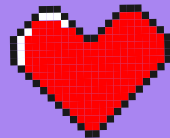People
    A list of some people involved in the project.
History
    A summary of the history of the project.
How can I help ?
    If you would like to support the web..
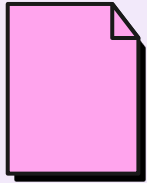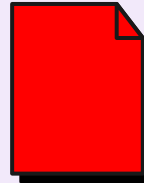Getting code
    Getting the code by anonymous FTP , etc.

Initially, the World Wide Web consisted of static websites without a back-end database.

RISE OF CMS

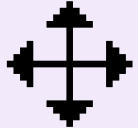In the mid 1990s, as the Internet's popularity grew and websites needed more frequent updates.

The early 2000s saw the emergence of open-source CMS alternatives like WordPress.

Drupal
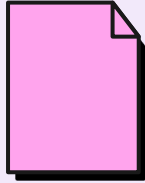
Joomla!

W

LAMP STACK

Rise of open-source CMS = Development of LAMP.
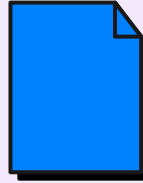
WHY A CMS?

- Need for an easy creation process for non-technical individuals creating content
- CMS systems provide a solution, allowing control of content and appearance
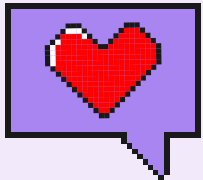- CMS systems are accessible through an easy-to-use panel
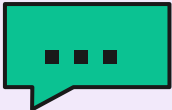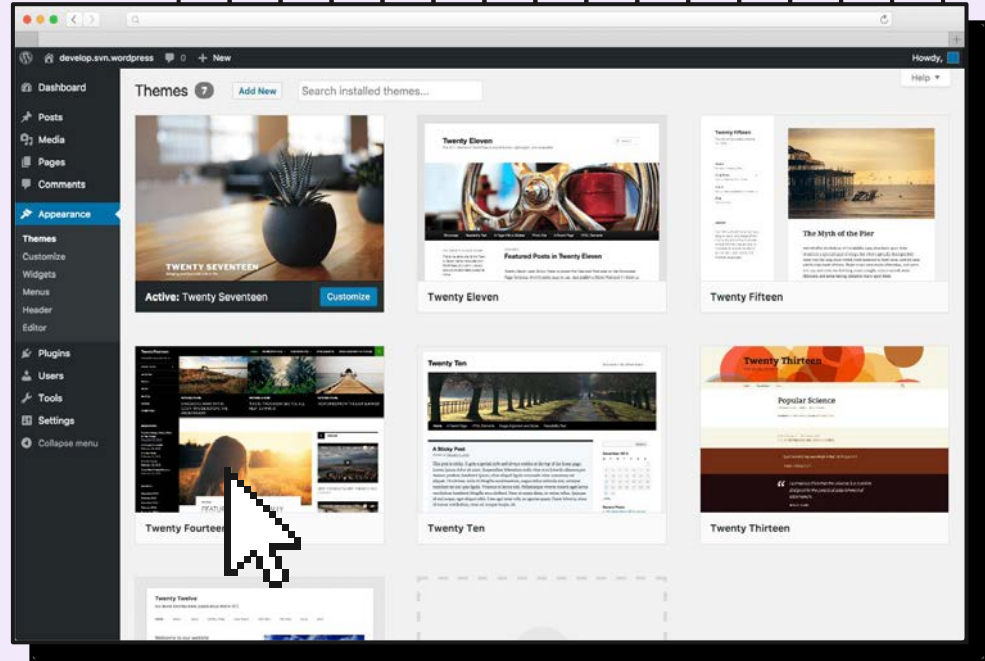
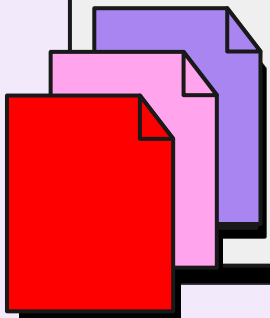# MOBILE WEB, A NEW PARADIGM

Monolithic CMS wasn't suited for diverse access devices

This led to the realization of the need for omnichannel content delivery

HEADLESS CMS

WHAT A HEADLESS CMS LOOKS LIKE?
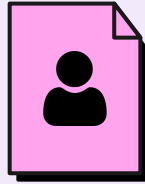
Headless CMS from a Non-Technical User's Perspective
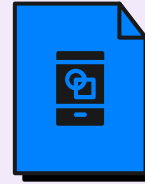
Headless CMS from a Technical User's Perspective

The main difference is the head, which refers to the presentational layer.

Jamstack

An attempt to give a name to a set of widely used architectural practices

J

JavaScript

A

APIs

M

Markup

MAIN ADVANTAGES

Better Performance

Easier Scaling

Higher Security

Better Dev Experience

JAMstack ECOSYSTEM

JAMSTACK MARKET LANDSCAPE

SAPPHIRE

VIEW LAYER

FRAMEWORKS
- React
- Vue.js
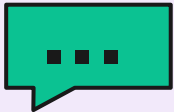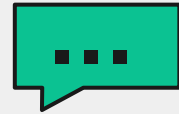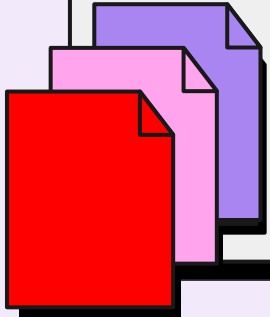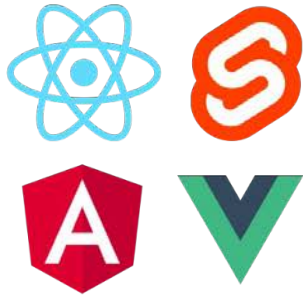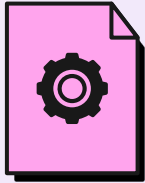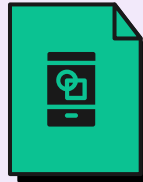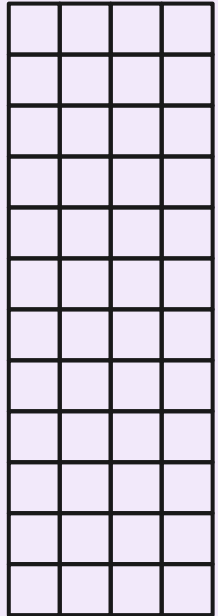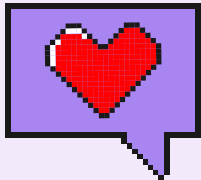- ANGULARJS by Google
- SVELTE
- Remix
- ember

COMMERCE FRONTEND
- medusa
- shogun
- saleor
- Instant Commerce
- Vue Storefront
- pop up
- Nacelle
- builder.io
- PageFly

DESIGN
- flycode
- VEV
- Framer
- ZEPLIN
- Figma
- bit
- <div> RIOTS
- Stackbit
- Sketch
- inVision

BACKEND OF THE FRONTEND

HEADLESS CMS
- agility
- Amplience
- contentful *
- CONTENTSTACK
- DATO CMS
- Drupal
- FORESTRY
- ghost
- graphcms
- prismic
- SANITY
- SITECORE
- storyblok
- strapi

STATIC SITE
- NEXT.js
- React Static
- jekyll
- NUXTJS
- HUGO
- Gatsby
- RedwoodJS
- Docusaurus

COMMERCE BACKEND
- swell
- Spryker
- fabric
- MIRAKL
- Magento
- nautical
- crystallize
- chord
- saleor
- commercetools
- elasticpath
- commercelayer
- ninetailed
- BIGCOMMERCE
- Commerce.js
- MOOT
- Sylius

DEPLOYMENT & HOSTING
- Firebase
- Akamai
- CLOUDFLARE
- CMS Hub
- Fly.io
- PANTHEON
- render
- bunnyshell
- bunny.net
- GitLab
- fastly
- Vercel
- netlify

THIRD PARTY APIS

DATALAYER
- planetscale
- supabase
- ably
- xata
- Prisma
- fauna
- upstash
- Fly.io
- HASURA
- Litestream

ANALYTICS
- SOUNDCOMMERCE
- TWILIO segment
- Triple Whale
- daasity
- Plausible
- matomo
- tradeswell.

COMMENTS
- STATICMAN
- DISQUS
- HYVOR TALK

CHECKOUT
- vyne
- volt
- Volume
- stripe
- SNIPCART
- Commerce.js
- payhere

SEARCH
- algolia
- bonsai
- meilisearch
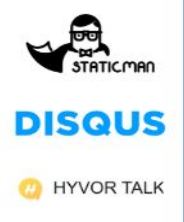
FORMS
- FormKeep
- P
- Typeform
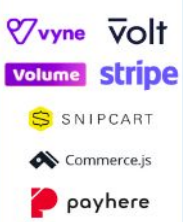
AUTH.
- okta
- netlify

* = Sapphire Portfolio Company

RESOURCES

VERCEL/TEMPLATES

NEXTJS/LEARN

JAMSTACK

NETLIFY/INTEGRATIONS

THANKS !

CONF42