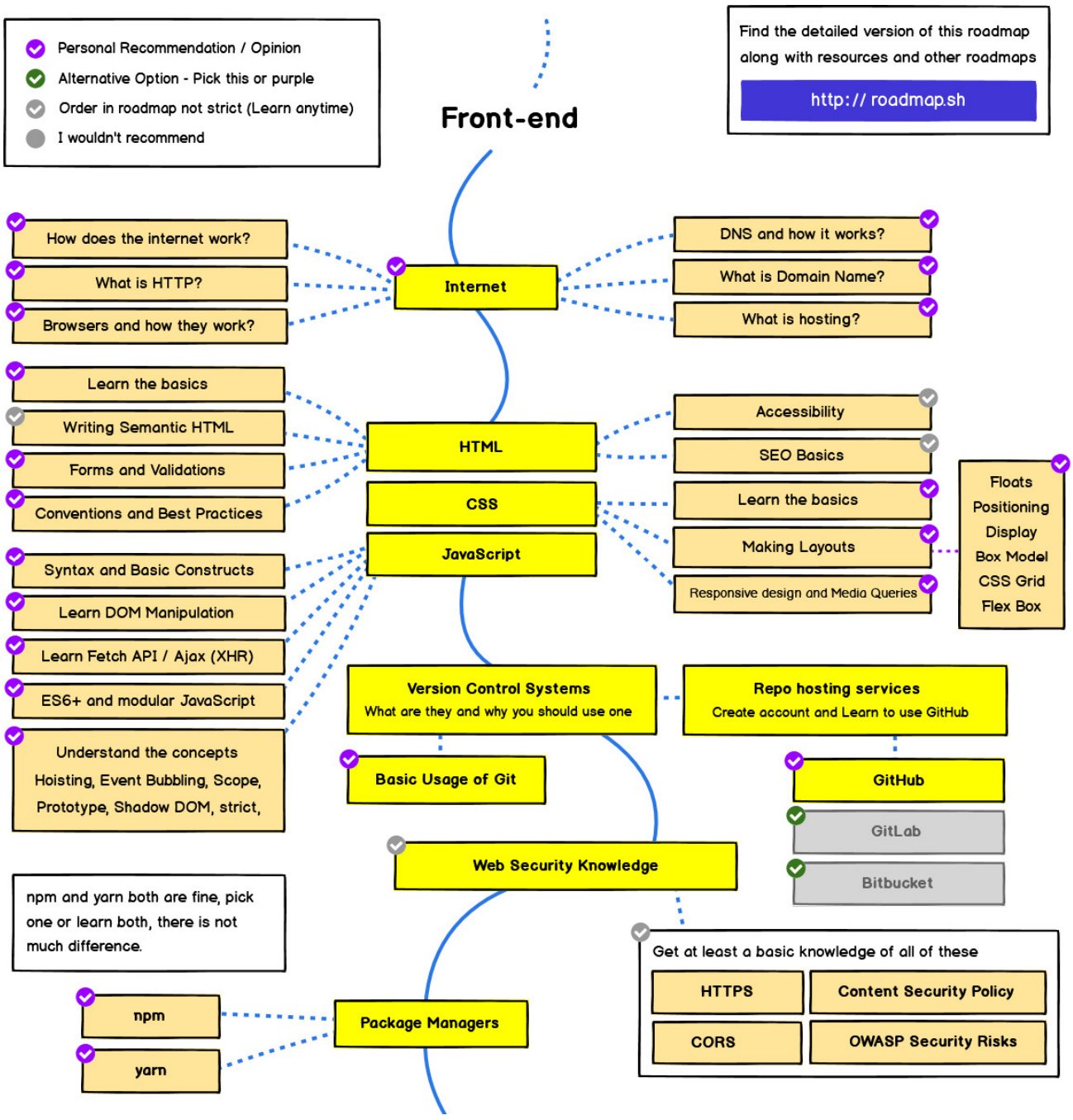
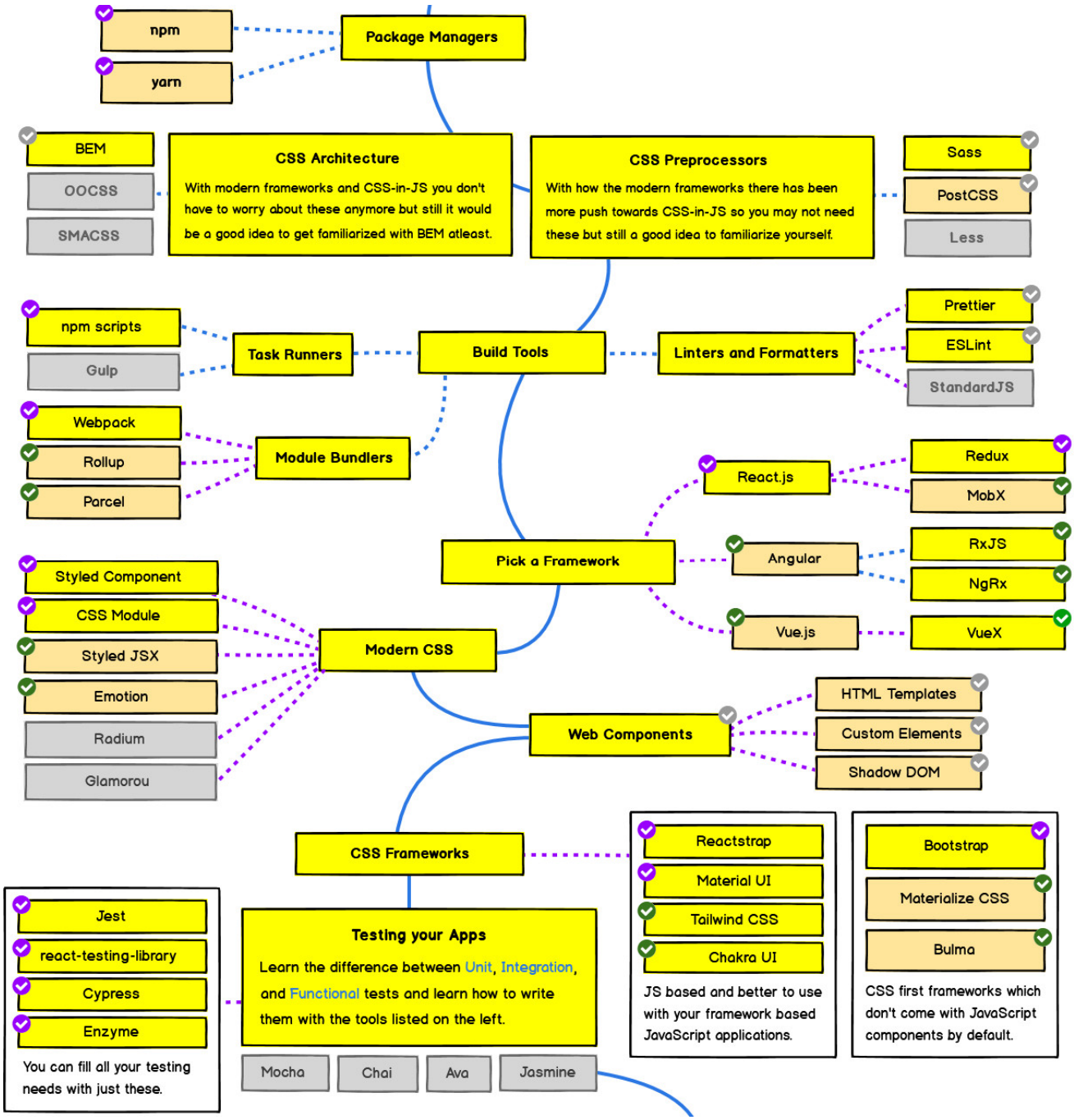
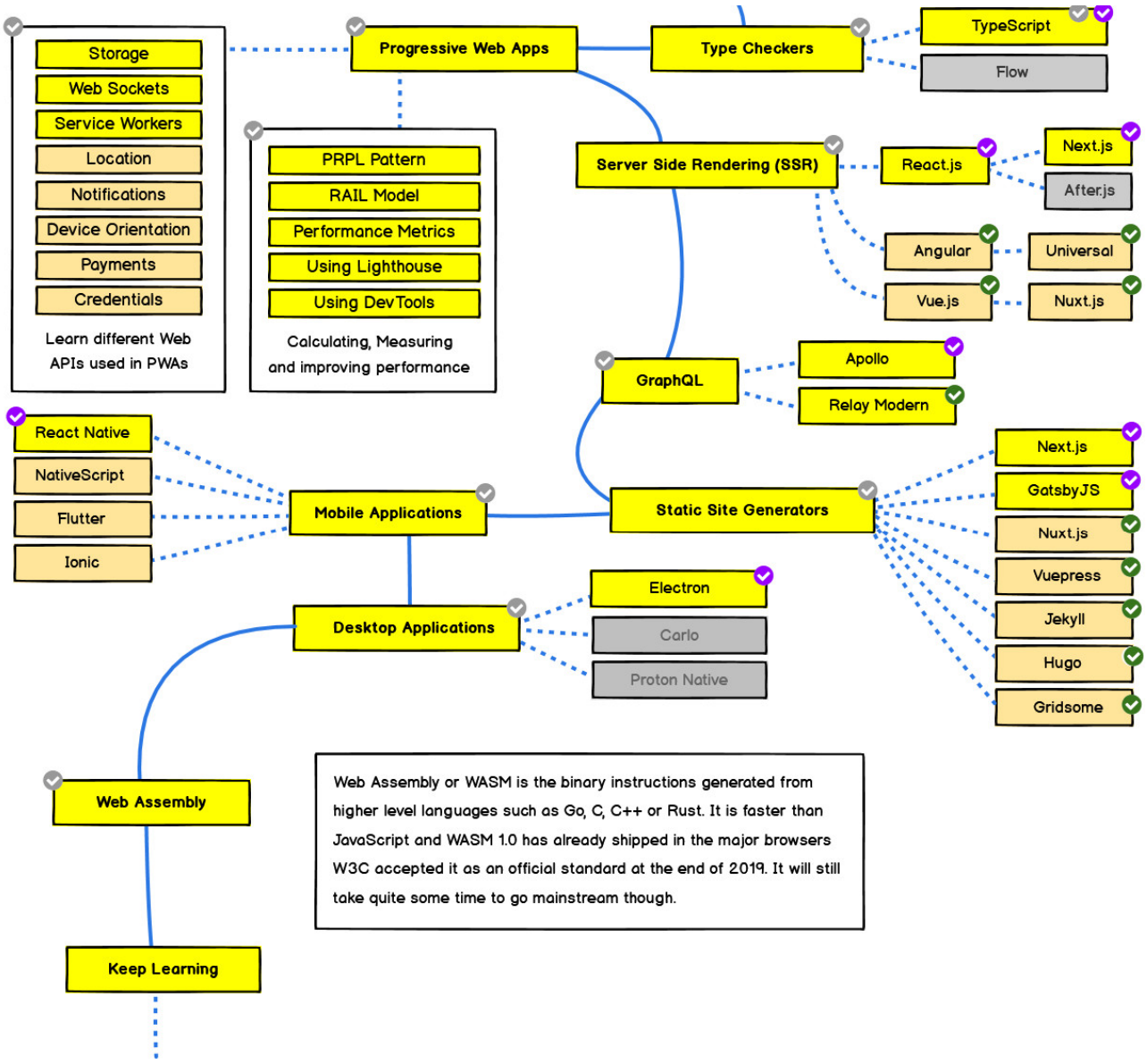
https://www.freecodecamp.org/news/learn-web-development-for-free/

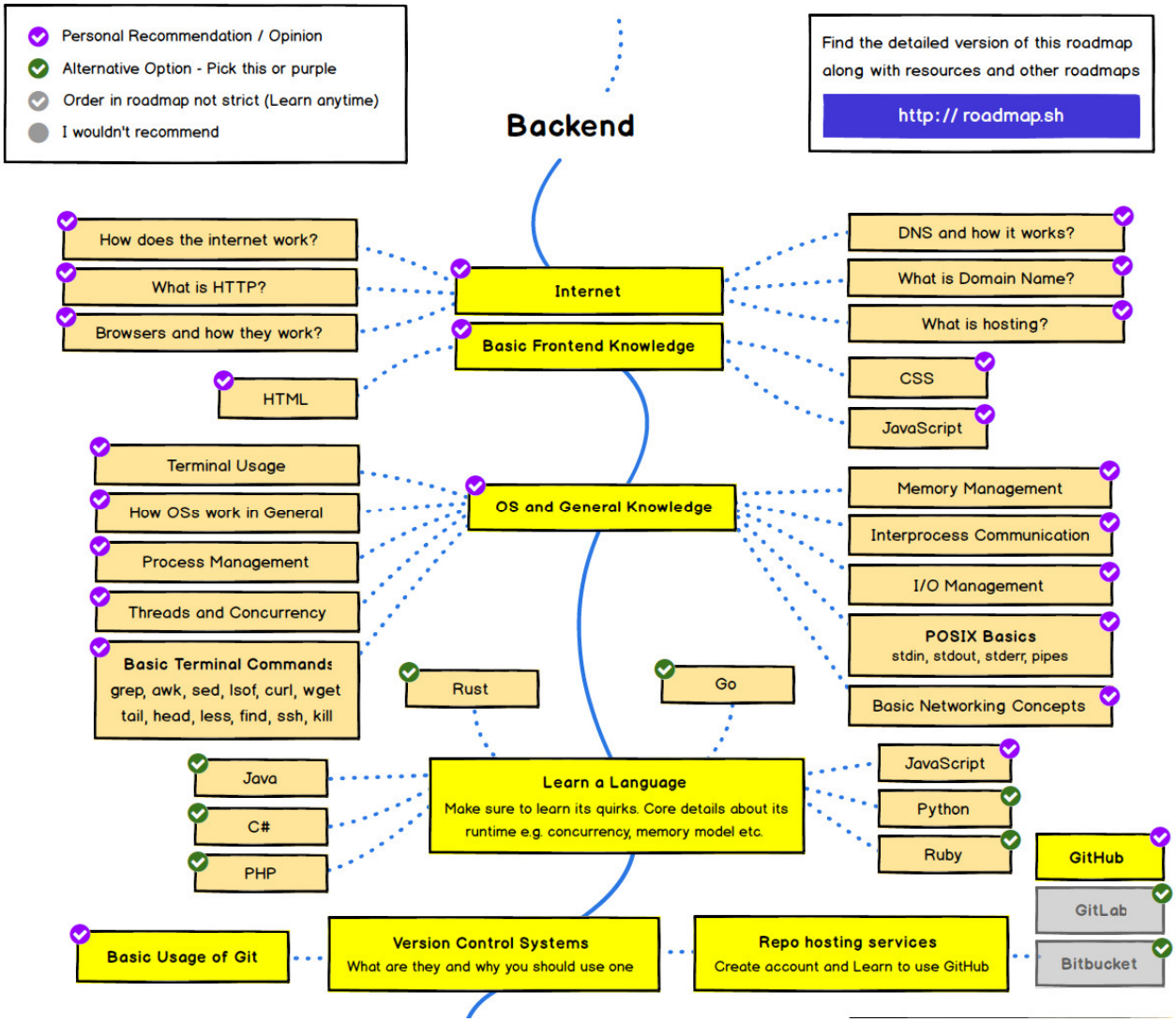
How to Get Started as a Front End Web Developer

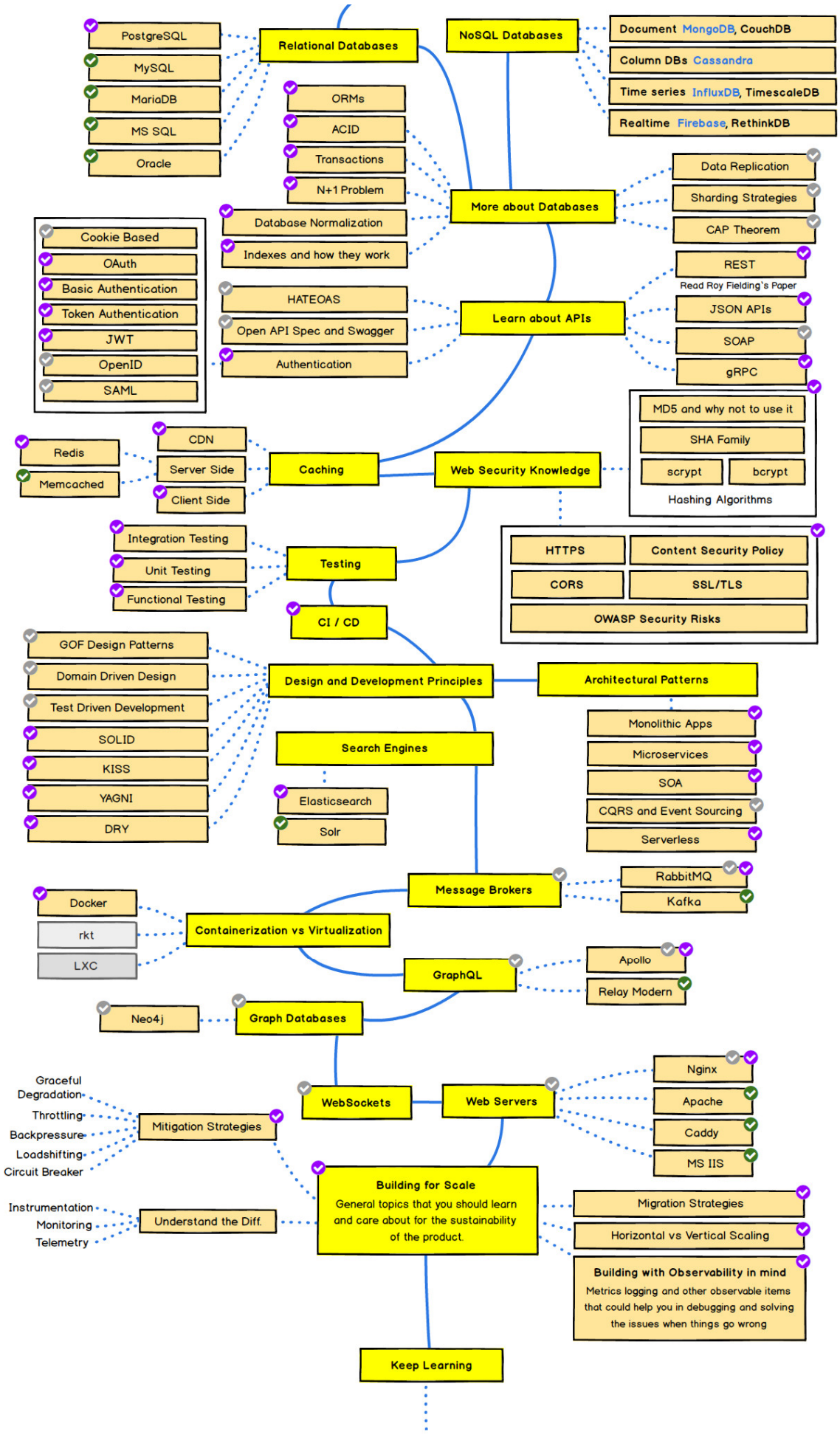



npm
yarn
Package Managers
BEM
OOCSS
SMACSS
CSS Architecture
With modern frameworks and CSS-in-JS you don't have to worry about these anymore but still it would be a good idea to get familiarized with BEM atleast.
CSS Preprocessors
With how the modern frameworks there has been more push towards CSS-in-JS so you may not need these but still a good idea to familiarize yourself.
Sass
PostCSS
Less
npm scripts
Gulp
Task Runners
Build Tools
Linters and Formatters
Prettier
ESLint
StandardJS
Webpack
Rollup
Parcel
Module Bundlers
React.js
Redux
MobX
Pick a Framework
Angular
RxJS
NgRx
Vue.js
VueX
Styled Component
CSS Module
Styled JSX
Emotion
Radium
Glamorou
Modern CSS
Web Components
HTML Templates
Custom Elements
Shadow DOM
CSS Frameworks
Reactstrap
Material UI
Tailwind CSS
Chakra UI
JS based and better to use with your framework based JavaScript applications.
Bootstrap
Materialize CSS
Bulma
CSS first frameworks which don't come with JavaScript components by default.
Jest
react-testing-library
Cypress
Enzyme
You can fill all your testing needs with just these.
Testing your Apps
Learn the difference between Unit, Integration, and Functional tests and learn how to write them with the tools listed on the left.
Mocha
Chai
Ava
Jasmine


Storage
Web Sockets
Service Workers
Location
Notifications
Device Orientation
Payments
Credentials
Learn different Web APIs used in PWAs
Progressive Web Apps
PRPL Pattern
RAIL Model
Performance Metrics
Using Lighthouse
Using DevTools
Calculating, Measuring and improving performance
Type Checkers
TypeScript
Flow
Server Side Rendering (SSR)
React.js
Next.js
After.js
Angular
Universal
Vue.js
Nuxt.js
GraphQL
Apollo
Relay Modern
React Native
NativeScript
Flutter
Ionic
Mobile Applications
Static Site Generators
Next.js
GatsbyJS
Nuxt.js
Vuepress
Jekyll
Hugo
Gridsome
Desktop Applications
Electron
Carlo
Proton Native
Web Assembly
Keep Learning
Web Assembly or WASM is the binary instructions generated from higher level languages such as Go, C, C++ or Rust. It is faster than JavaScript and WASM 1.0 has already shipped in the major browsers W3C accepted it as an official standard at the end of 2019. It will still take quite some time to go mainstream though.

How to Get Started as a Back End Web Developer




PostgreSQL
MySQL
MariaDB
MS SQL
Oracle
Relational Databases
NoSQL Databases
Document MongoDB, CouchDB
Column DBs Cassandra
Time series InfluxDB, TimescaleDB
Realtime Firebase, RethinkDB
ORMs
ACID
Transactions
N+1 Problem
Database Normalization
Indexes and how they work
More about Databases
Data Replication
Sharding Strategies
CAP Theorem
Cookie Based
OAuth
Basic Authentication
Token Authentication
JWT
OpenID
SAML
HATEOAS
Open API Spec and Swagger
Authentication
Learn about APIs
REST
Read Roy Fielding's Paper
JSON APIs
SOAP
gRPC
MD5 and why not to use it
SHA Family
scrypt
bcrypt
Hashing Algorithms
Redis
Memcached
CDN
Server Side
Client Side
Caching
Web Security Knowledge
HTTPS
Content Security Policy
CORS
SSL/TLS
OWASP Security Risks
Integration Testing
Unit Testing
Functional Testing
Testing
CI / CD
GOF Design Patterns
Domain Driven Design
Test Driven Development
SOLID
KISS
YAGNI
DRY
Design and Development Principles
Architectural Patterns
Monolithic Apps
Microservices
SOA
CQRS and Event Sourcing
Serverless
Search Engines
Elasticsearch
Solr
Message Brokers
RabbitMQ
Kafka
Docker
rkt
LXC
Containerization vs Virtualization
GraphQL
Apollo
Relay Modern
Neo4j
Graph Databases
Graceful Degradation
Throttling
Backpressure
Loadshifting
Circuit Breaker
Mitigation Strategies
WebSockets
Web Servers
Nginx
Apache
Caddy
MS IIS
Instrumentation
Monitoring
Telemetry
Understand the Diff.
Building for Scale
General topics that you should learn and care about for the sustainability of the product.
Migration Strategies
Horizontal vs Vertical Scaling
Building with Observability in mind
Metrics logging and other observable items that could help you in debugging and solving the issues when things go wrong
Keep Learning