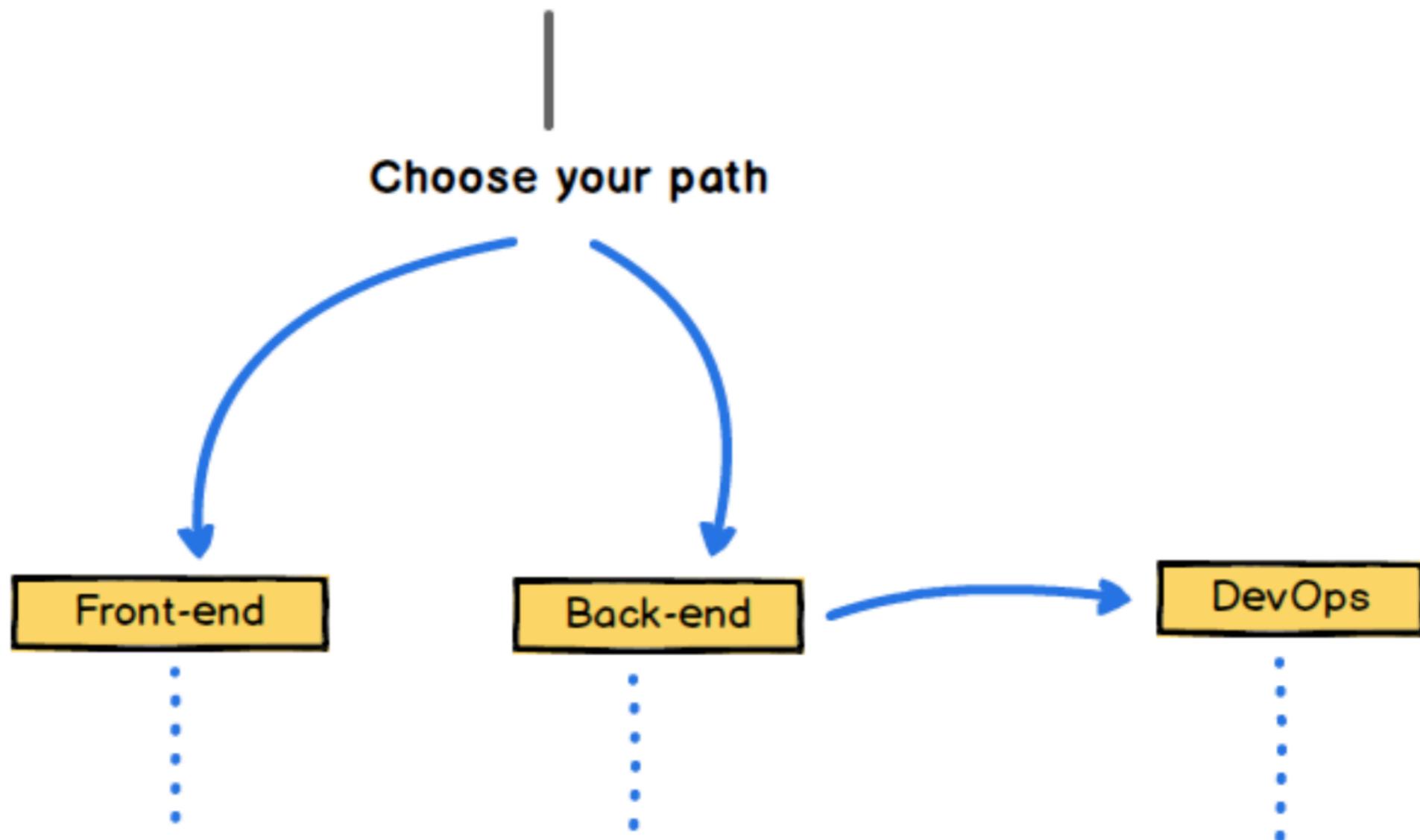


# Modern Developer - Road Map

<https://github.com/kamranahmedse/developer-roadmap>

# Web Developer in 2018



Front-end + Back-end + DevOps == Full Stack

# Front-end Labs

# Lab-1.1: Editing HTML



```
index.html
1 <html>
2   <head>
3     <title>Starbuzz Coffees</title>
4   </head>
5   <body>
6     <h1>Starbuzz Coffee Beverages</h1>
7
8     <ul>
9       <li><a href="#">ChiHouse Blend, $1.49</a>
10      <ul>
11        <li><a href="#">ChiHouse Blend, $1.49; coffee from Mexico, Belize and Guatemala</a>
12      </ul>
13    </li>
14    <li><a href="#">Abundance Cafe Latte, $2.35</a>
15      <ul>
16        <li><a href="#">Expresso, steamed milk and chocolate syrup.</a>
17      </ul>
18    </li>
19    <li><a href="#">Chi-Cappuccino, $1.89</a>
20      <ul>
21        <li><a href="#">Expresso, steamed milk and foam.</a>
22      </ul>
23    </li>
24    <li><a href="#">Chi-Chai Tea, $1.25</a>
25      <ul>
26        <li><a href="#">Spicy 9-tea made with black tea, spices, milk and honey.</a>
27      </ul>
28    </li>
29  </ul>
30</body>
31</html>
```

A screenshot of a web browser displaying the 'App Bundle Store' website. The page features a large grid of numerous mobile application icons from various categories like games, productivity, and entertainment. Above the grid, there is a navigation bar with links for Home, Search, and Account. Below the grid, there is a section titled 'Welcome to the App Bundle Store' with a brief description and a 'Get Started' button. Further down, there's a 'Favourites' section with a list of items: 'Help & Tutorials', 'Coding Games', 'Books by AuthorRank.com', and 'Desktop Utility by Newshades'. At the bottom of the page, there are links for 'folders · head · title · link · image · references'.

# Lab-2 CSS

## Intro

# Lab-3a Layout

---

## Welcome to the App Bundle Store

This store is bring you great bundle website ideas. We select the best pieces from the web to help you get started with your own website ideas.

These are the highest quality ideas for the best websites, at great prices.

Whether you are interested in getting an design, software development or media production - we have the bundle for you. Each page features a designer to answer your questions and even a live video.

We will cover the bundles on a weekly basis, so be sure to check back regularly for new bundles and great ideas. If you have any questions or comments about our website - please leave them. We are always interested in feedback and suggestions. If you have any questions or comments, feel free to leave them in the comment area or question area.

Now that we are done with our site idea, we can start to build our website. This is where we will be using the sidebar and floating editor.

What's App's Like

## Weekly Specials

### Mac Supercharge Bundle

The Mac Supercharge Bundle is the best Mac bundle that you can buy. It includes over 100 software titles that you can use. The Facebook app is included, as well as many other apps. It's a great deal for the price.

★★★★★ (5)

Franklin is a great website that is perfect for anyone who wants a clean, minimalist website. It has a great design and is very easy to use. It's a great deal for the price.

★★★★★ (5)

fonts · content · images ·  
classes · folding editor ·  
sidebar · float

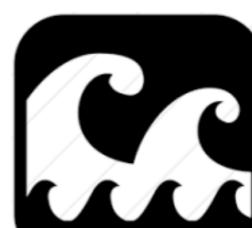
# Lab-4a

## Navigation

A screenshot of a web browser window displaying the official website for the Department of Computing & Technology at Brunel University London. The website has a white header with the university's crest and the text 'Department of Computing & Technology'. Below the header is a large, colorful graphic featuring a computer monitor with a network diagram, surrounded by various icons like a smartphone, a laptop, and a person working on a computer. The main content area is organized into several sections: 'Programmes' (with links to Undergraduate, Postgraduate, and Foundation), 'Research' (with links to Research Groups, Publications, and Impact), 'Case Studies' (with links to Case Studies and Testimonials), 'Events' (with a link to Events Calendar), and 'Contact' (with a link to Contact Us). The overall design is clean and professional.

# Lab-5a Harp & Surge

---



# Lab-5b

## Templating

# Lab-5c



## Templating & Nav

# Lab-6a

## Semantic UI 1

# Lab-6b

## Semantic UI 2

# Back-end Labs

**Lab-07a Play Setup**

play! 1.5.0, http://www.playframework.org  
The new application will be created in c:\  
What is the application name? [playdemo]

**PLAY VIDEO**

Install and test Git + the Play Framework

**Lab-07b Playlist 1**

**PLAY VIDEO**

Import, rename and run a new starter project. Extend the project to include a Model.

**Lab-08a Playlist-2**

Move the playlist model into the database. Prime the database from a YAML file.

**Lab-08b Playlist-3**

Move the playlists into their own view. Introduce routes for opening the playlist and also deleting individual songs.

**Lab-09b Todolist-1**

Todo List  
Do something  
Do something else  
Do more stuff  
Do that again

Develop a completely new application, using the techniques we have explored so far.

**Lab-09a Playlist-4**

Introduce forms into a play application to enable the user to create playlists.

**Lab-10 Todolist-2**

Elements Console Sources Network Timeline Profiles Resources Security  
Names  
File SQL  
IndexedDB  
Local Storage  
Session Storage  
Cookies  
SameSite Local Application Cache Cache Storage Service Workers

**PLAY VIDEO**

Incorporate sessions tracking into the todo app

**Lab-11a Playlist Review**

Review the Playlist Application

**Lab-11b Playlist 5**

Incorporate Sessions into the latest Playlist Application

**Lab-12a Deploy**

Deploy a Play Application to the cloud

**Lab-12b Git: Sourcdtree**

SourceTree  
SourceTree is a Git client provided completely free by Atlassian  
I agree to the License agreement  
Atlassian account  
Favorites  
Recent tools  
Starting repository  
Clone repository  
Continue

Install and Configure Sourcetree

**Lab-12c Todolist-3**

Rebuild Todolist - this time committing to git version control as the app is composed.

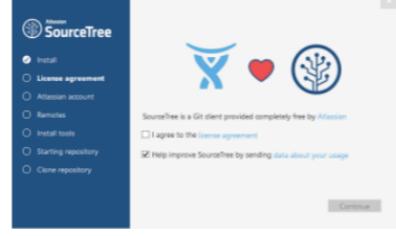
# Devops Labs

**Lab-12a** Deploy



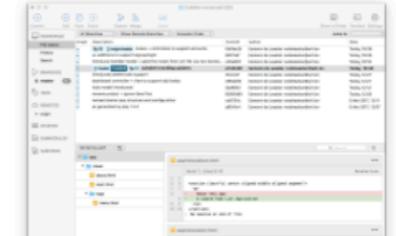
Deploy a Play Application to the cloud

**Lab-12b Git:** Sourcdtree



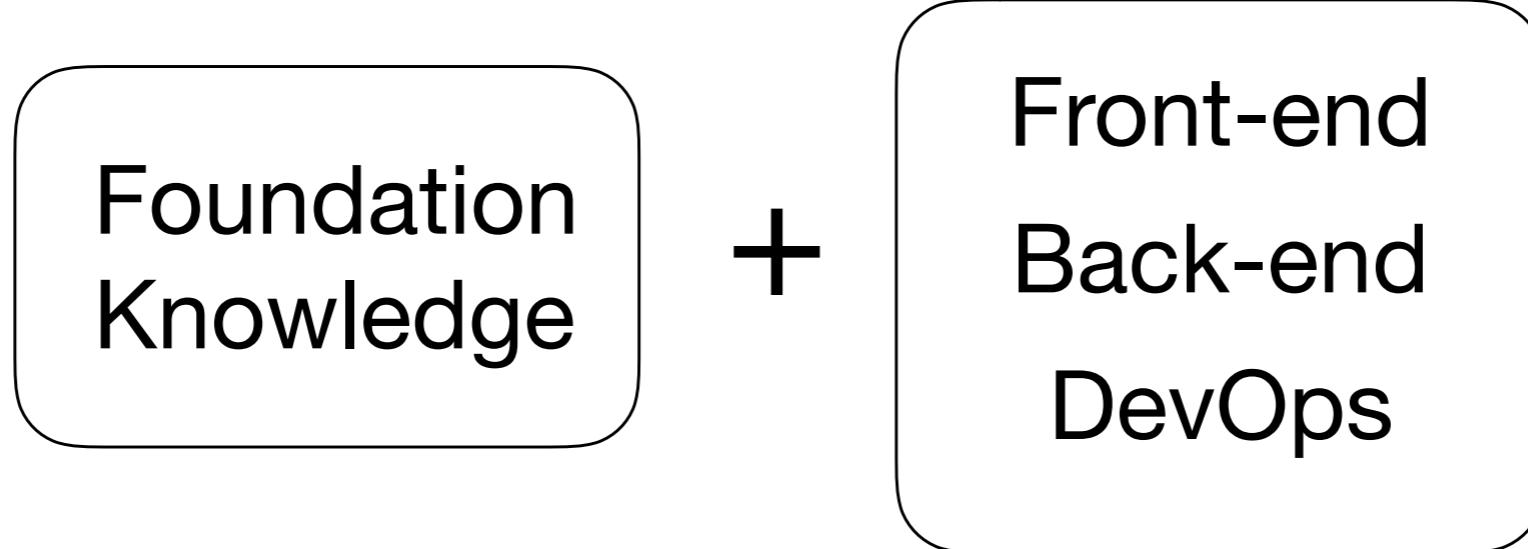
Install and Configure Sourcetree

**Lab-12c** Todolist-3



Rebuild Todolist - this time committing to git version control as the app is composed.

# A roadmap to becoming a web developer in 2017



<https://github.com/kamranahmedse/developer-roadmap>

# Foundation Knowledge

Git - Version Control

SSH

HTTP/HTTPS and APIs

Basic Terminal Usage

Learn to Research

Data Structures & Algorithms

Character Encodings

Design Patterns

GitHub

Create a profile. Explore relevant open source projects. Make a habit of looking under the hood of projects you like. Create and contribute to open source projects.

# Front-end

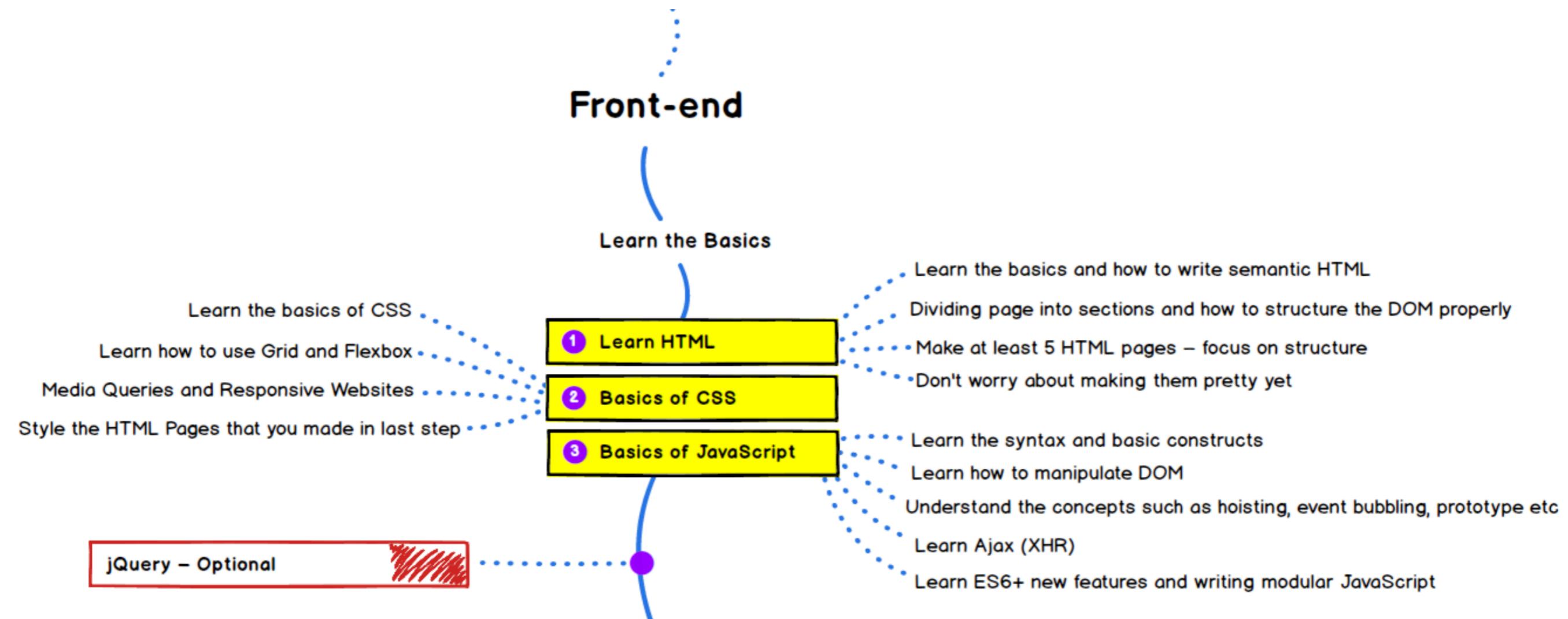
Basics

CSS Frameworks & Processors

JS Client Frameworks + Tools

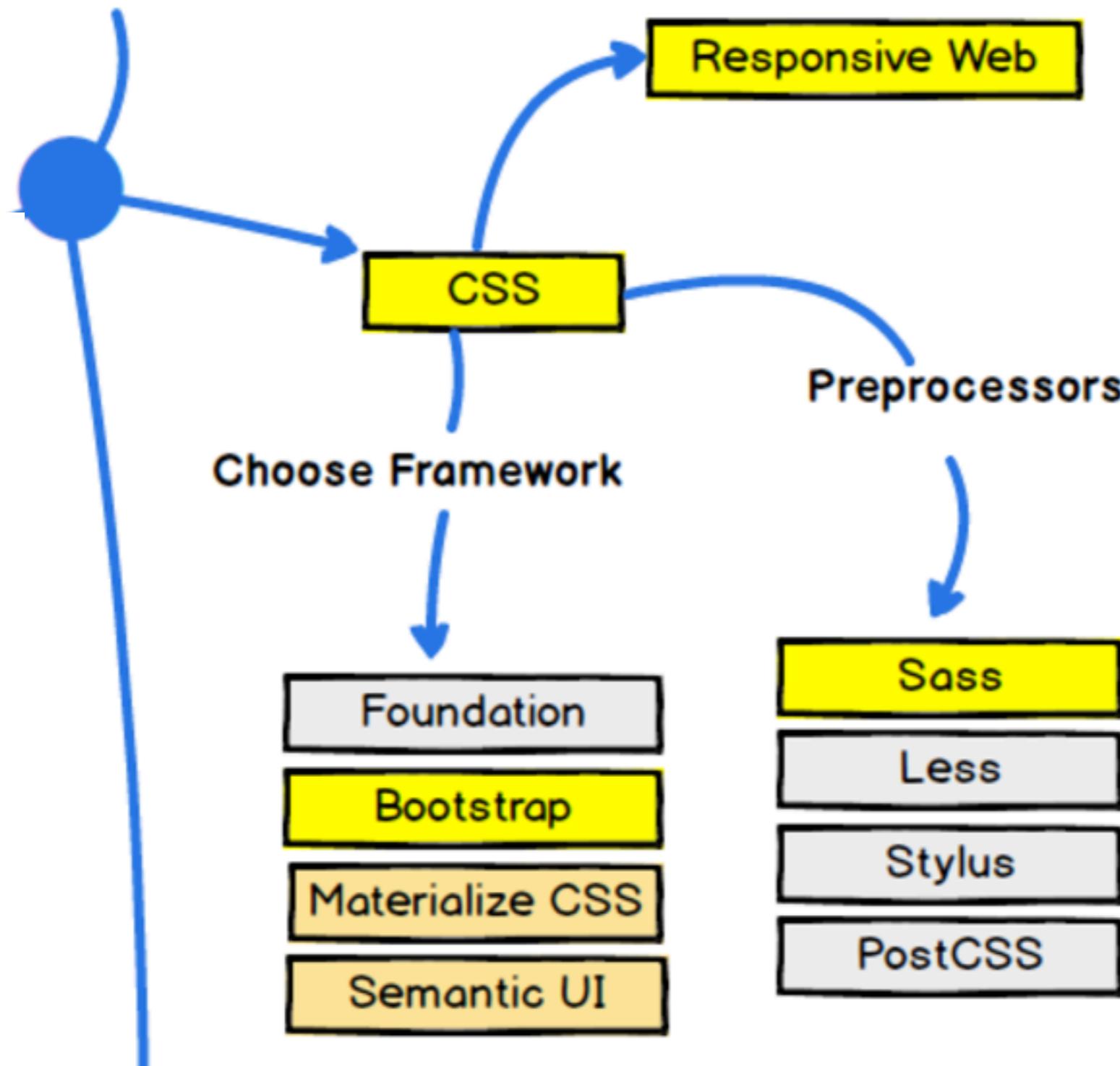
CSS Mastery, Graphics & Visualisation

# Front-end: Basics

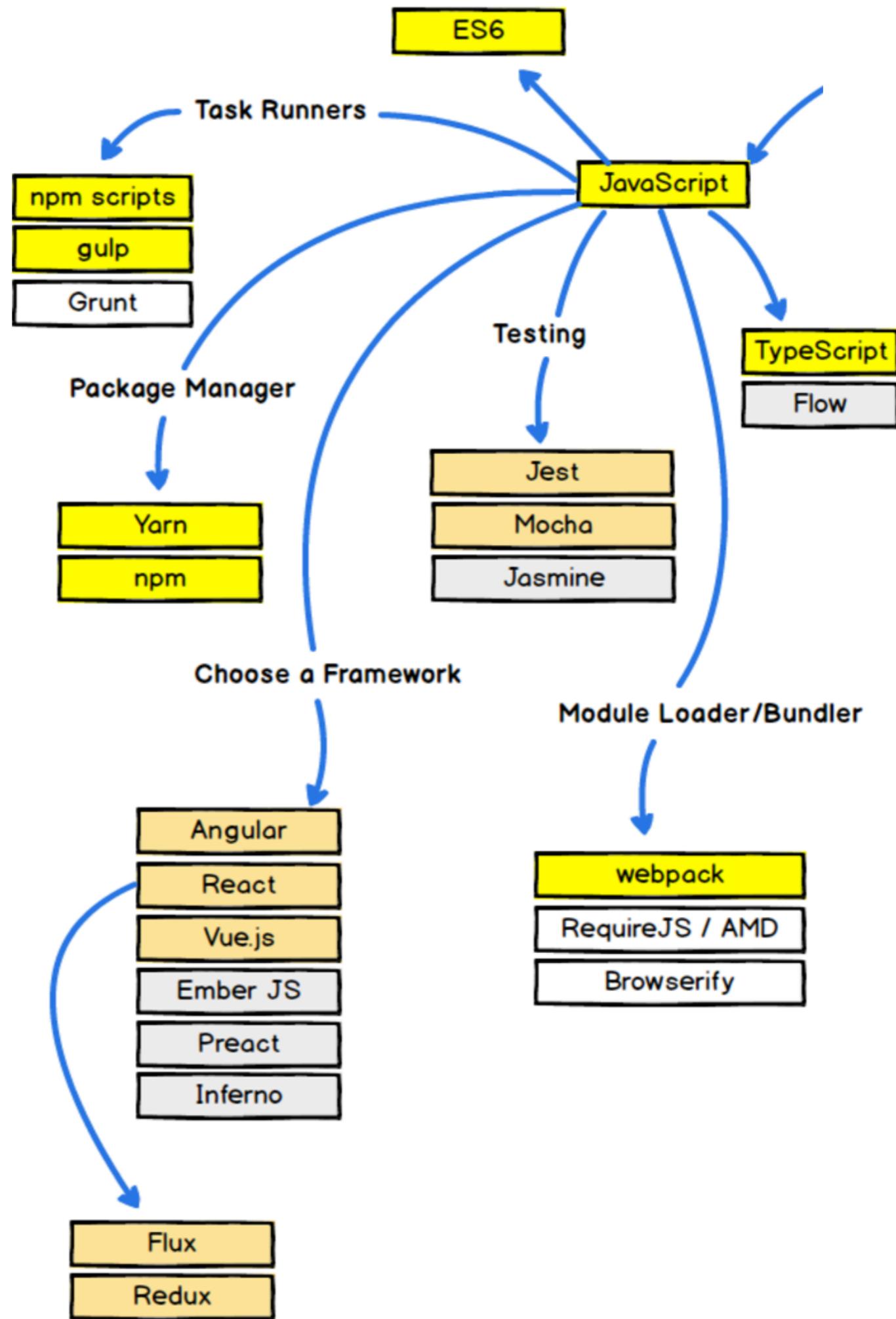


# Front-end: CSS Frameworks & Processors

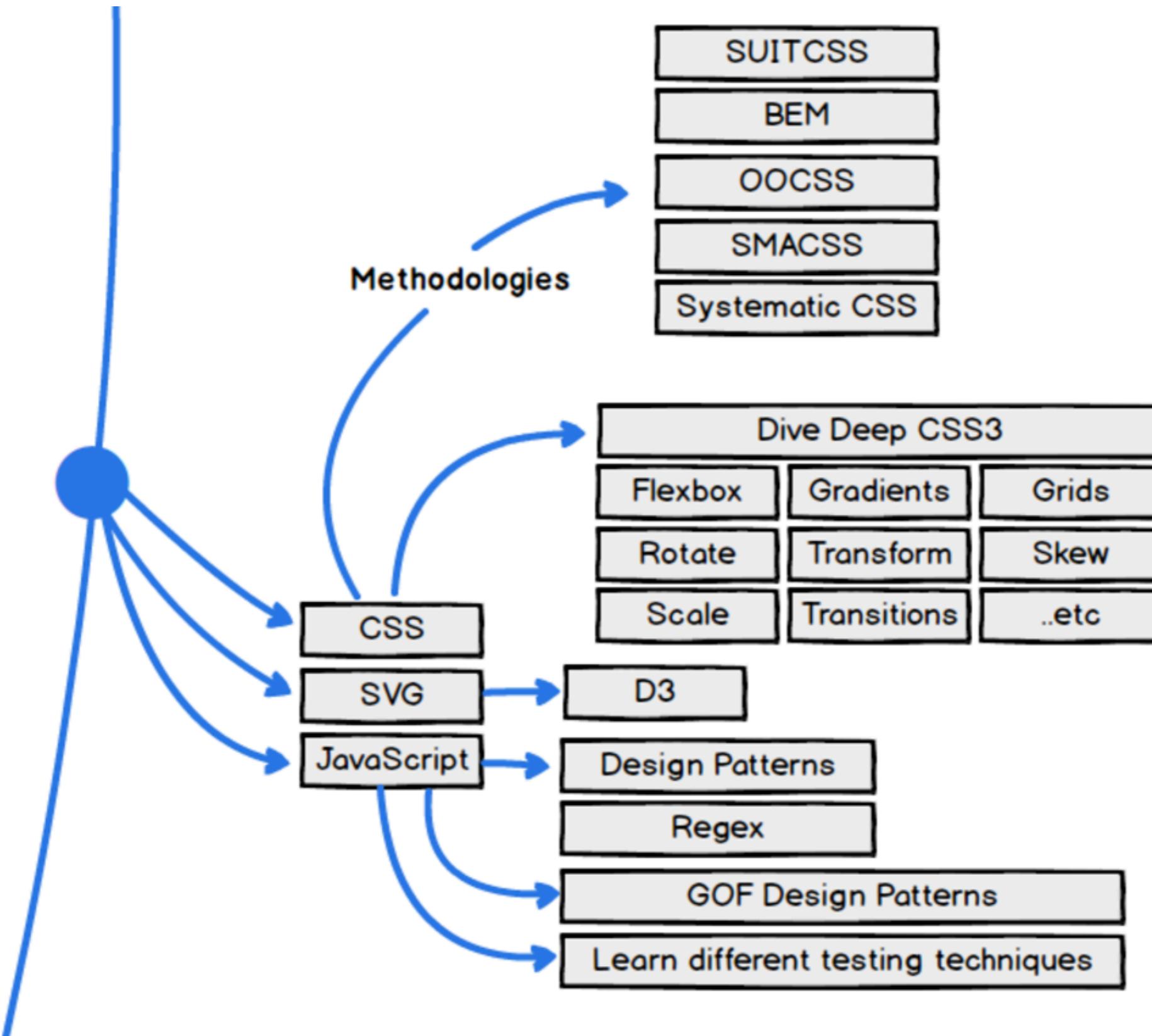
Getting Deeper



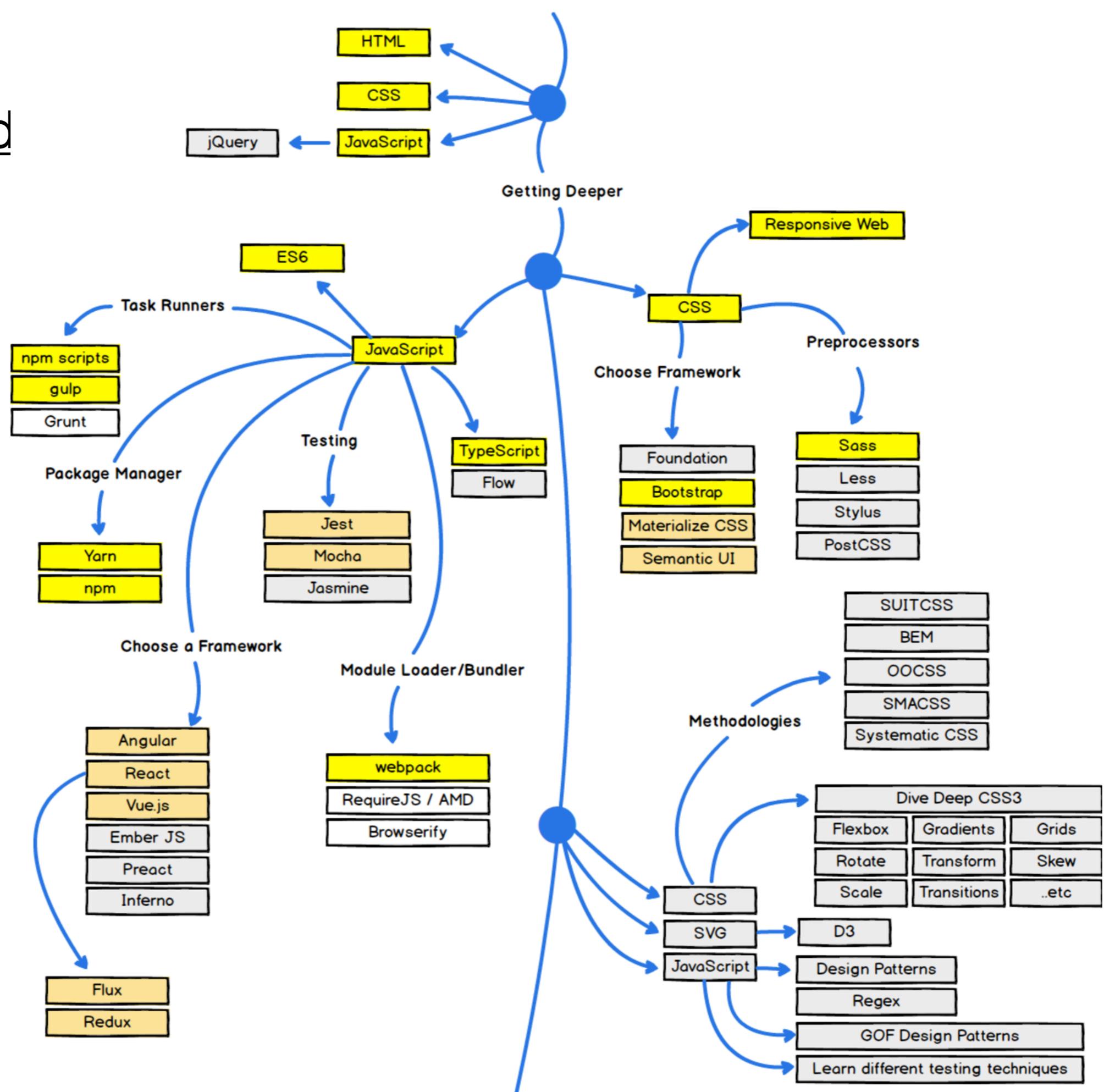
# Front-end: JS Client Frameworks, & Tools



# Front-end: CSS Mastery, Graphics & Visualisation



# Front-end



Back-end

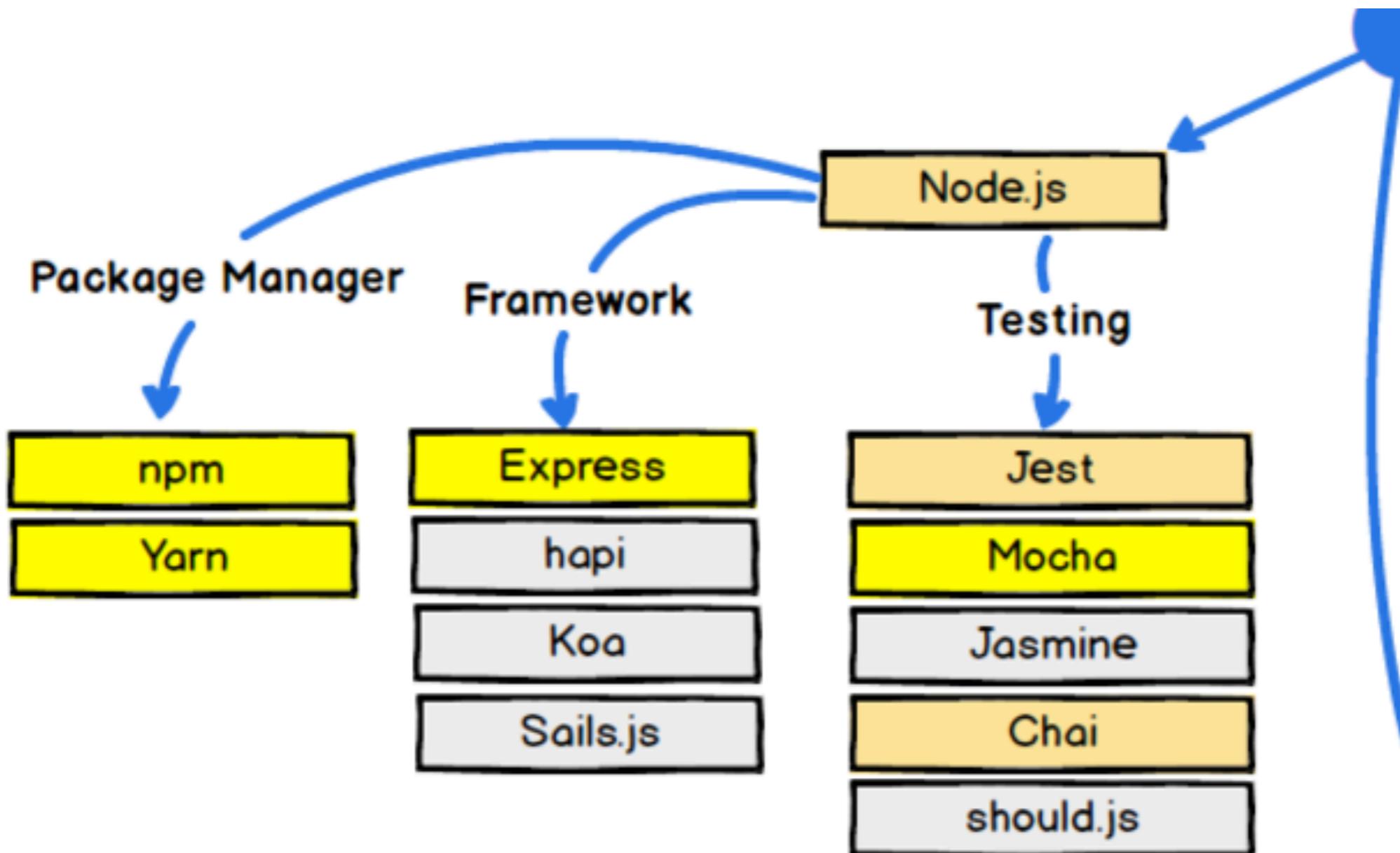
Node.js

Infrastructure + Key Techniques

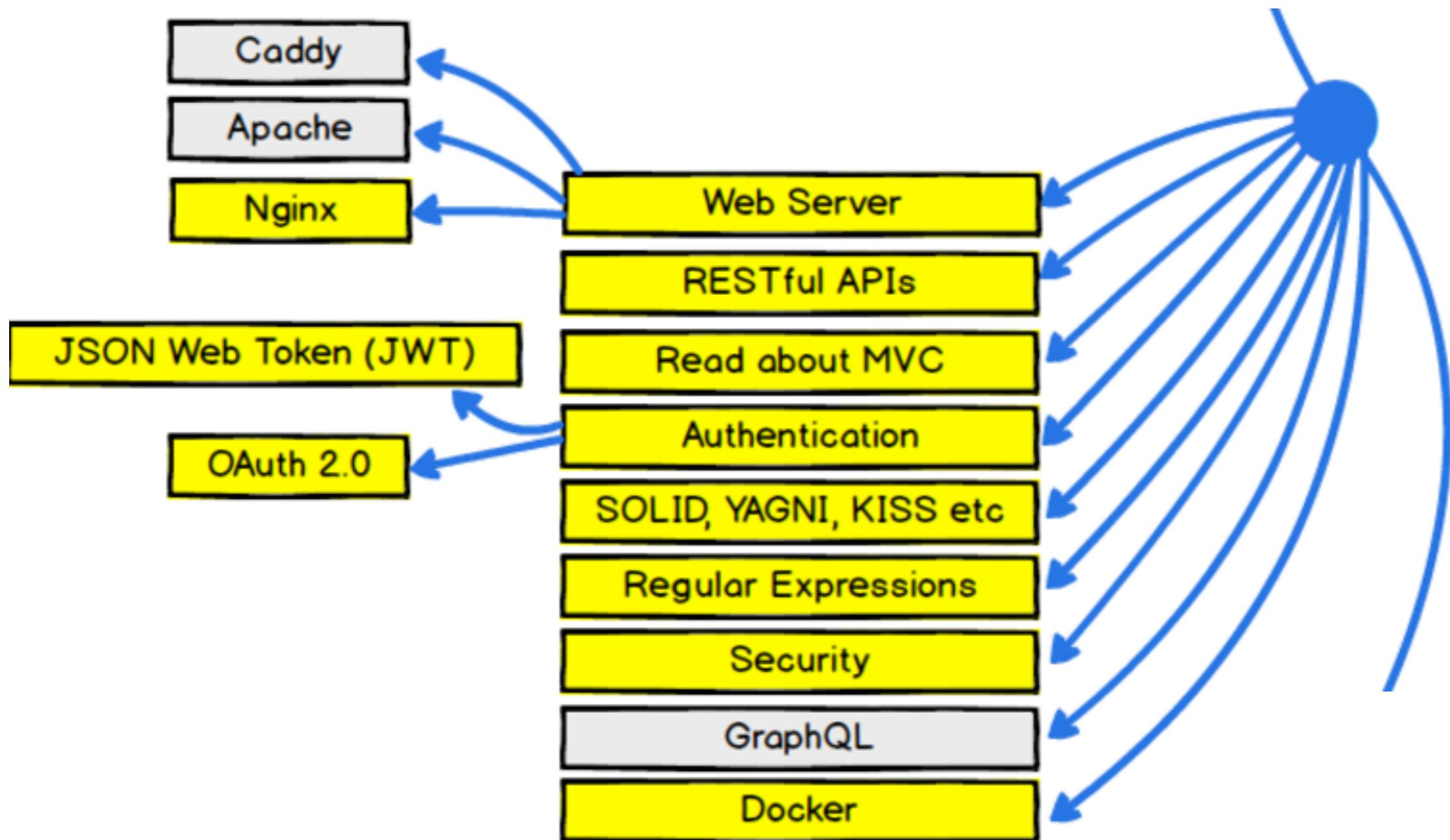
Database

Patterns

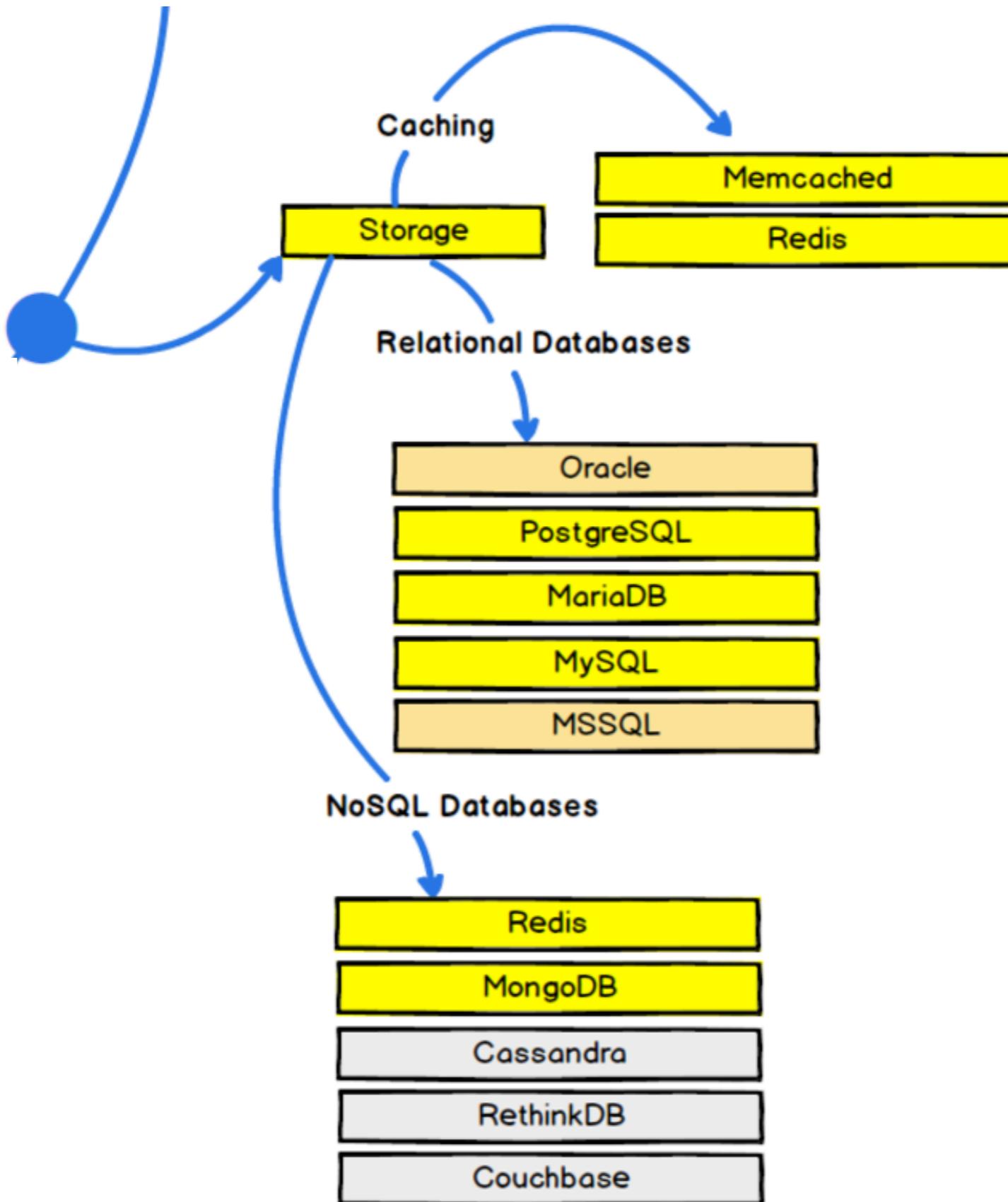
# Back-end: Node



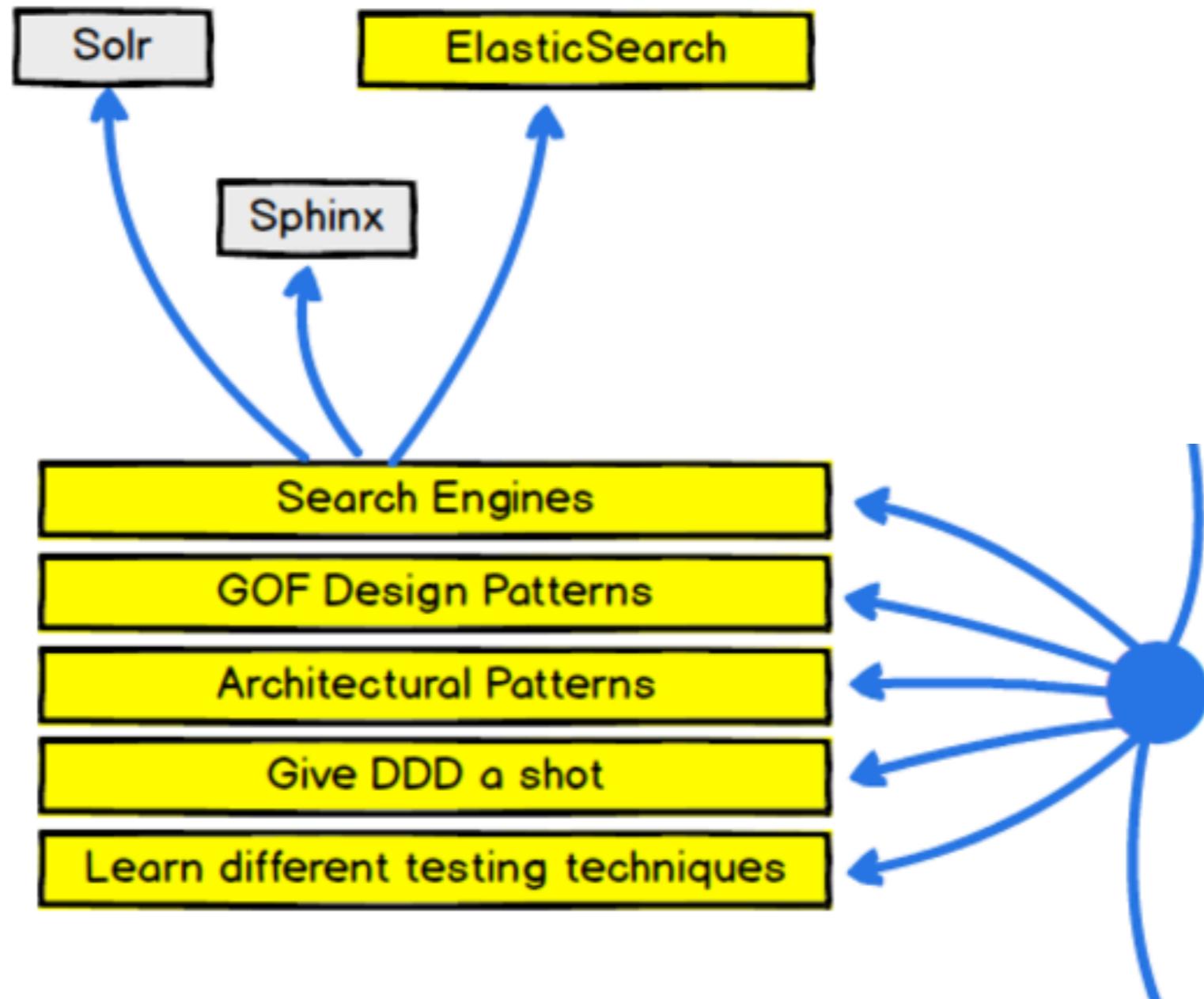
# Back-end: Infrastructure + Key Techniques



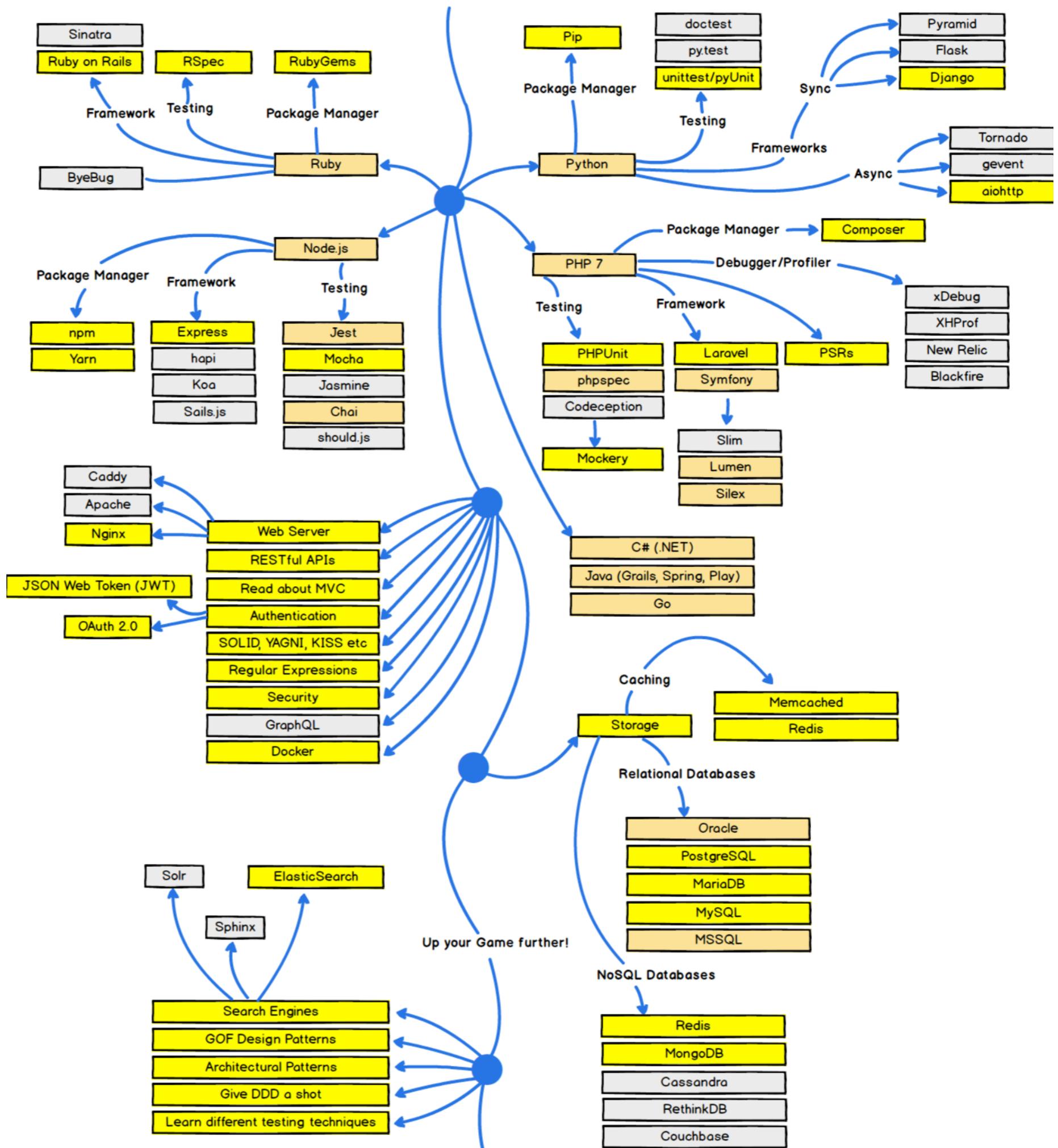
# Back-end: Database



# Back End: Patterns



# Back End:



# DevOps

