Application Types

Based on programming language:

- Java behind most of the most popular apps running on desktops – chat, code editors, and **mobile** apps

- NodeJS – developing web app

- Python – Analytics, data processing

Web Servers = serving web content = HTML/CSS, Java Script, images

Application Servers = the backend – responsible for business logic (processing requests)

**Backend frameworks:**

- Express – the NodeJS based framework

- Spring – the Java based framework

- Django – the Python based framework

- Flask – the Python based framework

Server-side code = the backend code = Java/NodeJS/Python

Client-side code = the frontend code – used to display web pages and information within the pages in the user browser = HTML, CSS, JavaScript

Static Web Servers = Web Servers; Static webserver technologies: Nginx, Apache HTTP

Dynamic Web Sites = Application Web Servers; Dynamic webserver technologies: Apache Tomcat, Gunicorn, uWSGI

Apache Tomcat Server = Web Server Environment for Java based Web Applications – requires Java (jdk)

Simple NodeJS app: <https://github.com/contentful/the-example-app.nodejs>

Run jq . /opt/the-example-app.nodejs/package.json to check JSON content and find scripts in it.

You can directly get scripts by running jq .scripts /opt/the-example-app.nodejs/package.json

* **jq**: The command-line JSON processor.
* **.**: The dot (.) is a filter expression in **jq** that essentially means "select the entire JSON object."
* **/opt/the-example-app.nodejs/package.json**: The path to the JSON file (**package.json** in this case) that you want to process.