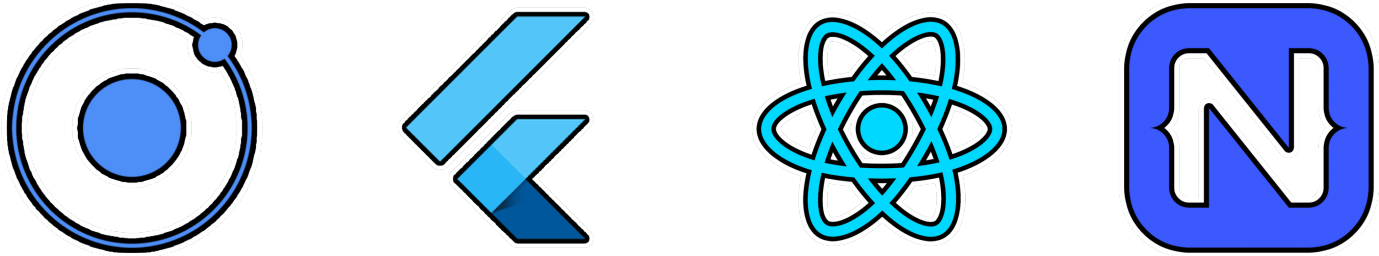
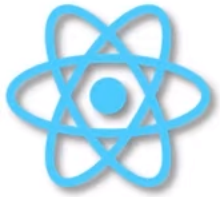
Ionic
Flutter
React Native
NativeScript

Mobil Programlama II

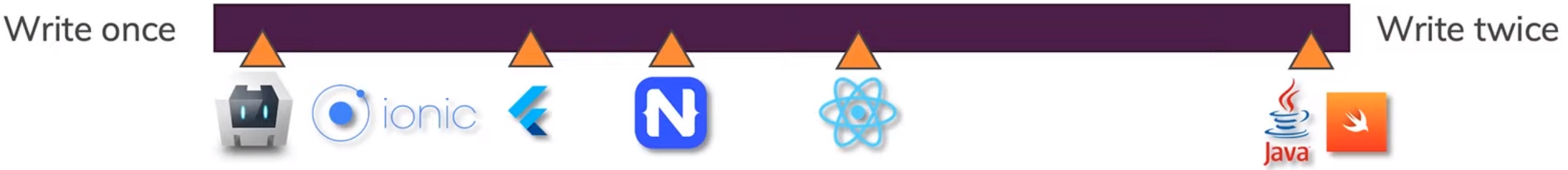


Özellikler

			
Uses JavaScript	Uses Dart	Uses JavaScript	Uses JavaScript
Partly Compiled to Native Code	Compiled to ARM C/C++ Library	Partly Compiled to Native Code	Not Compiled to Native Code (Wrapped Web App)
JS was not invented for this (but turns out to work really well...)	Dart was also not invented for this BUT is developed by the same company (Google)	JS was not invented for this (but turns out to work really well...)	JS was not invented for this (but turns out to work really well...)
Ships with some pre-built, partly adaptive components	Ships with a lot of pre-built, partly adaptive components	Ships with some pre-built, mostly adaptive components	Ships with loads of pre-built, fully adaptive components

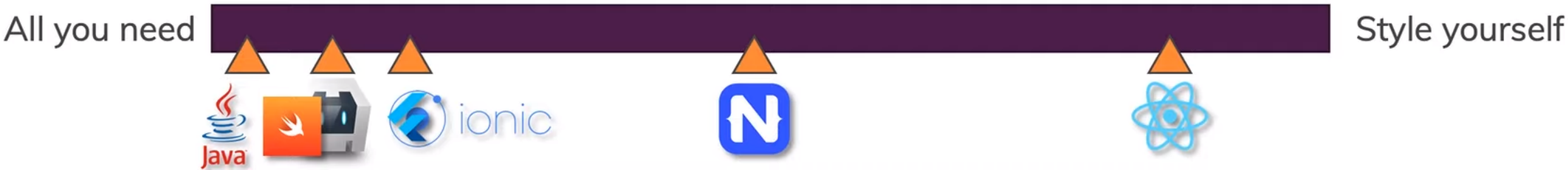
Karşılaştırma

"Write once, use everywhere"



"Learn once, write everywhere"

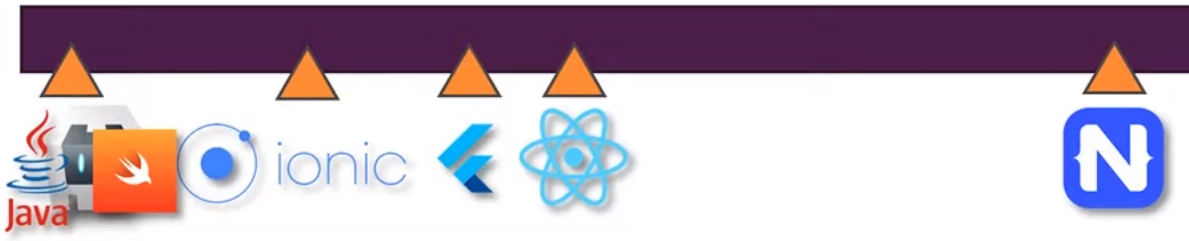
Rich pre-styled Component Library



Karşılaştırma

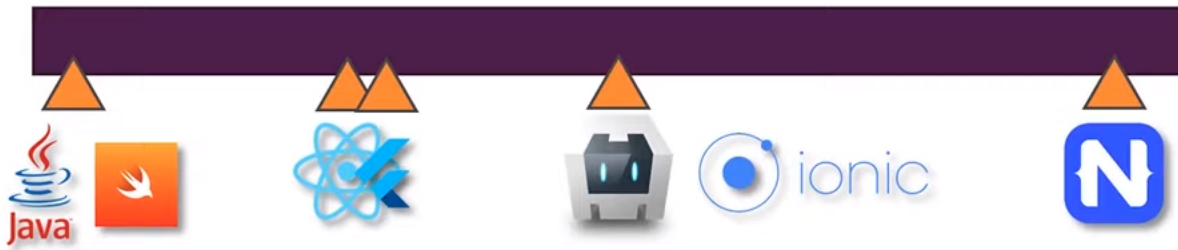
Ecosystem / Third-Party Libraries

Plentiful — Scarce



Popularity / Coverage

Hot — Cold



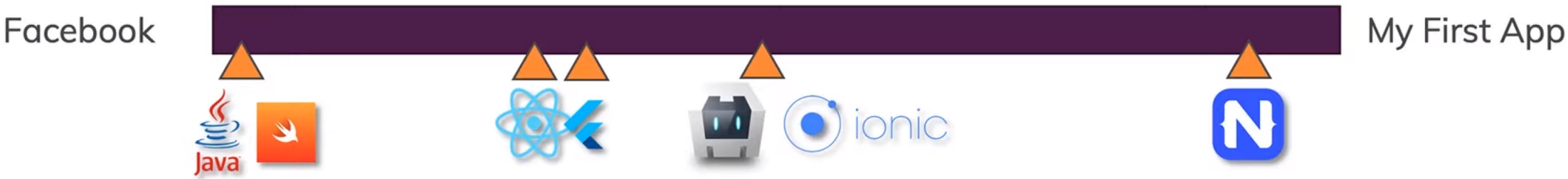
Performance

Native-like — Wrapped-like

Karşılaştırma

Accessing Native Device Features

Real-World Usage



Slim

a micro framework for PHP

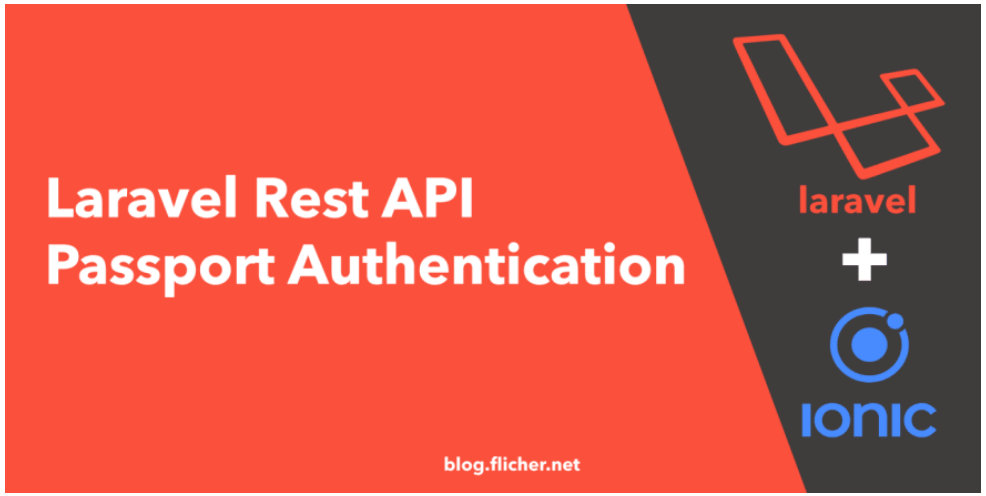
Slim is a PHP micro framework that helps you quickly write simple yet powerful web applications and APIs.

```php
<?php
use \Psr\Http\Message\ServerRequestInterface as Request;
use \Psr\Http\Message\ResponseInterface as Response;

require 'vendor/autoload.php';

$app = new \Slim\App;
$app->get('/hello/{name}', function (Request $request, Response $response) {
    $name = $request->getAttribute('name');
    $response->getBody()->write("Hello, $name");

    return $response;
});
$app->run();
```



JWT

JSON Web Token

HEADER

ALGORITHM
& TOKEN TYPE

```
{
  "alg": "HS256",
  "typ": "JWT"
}
```

+

PAYLOAD

DATA

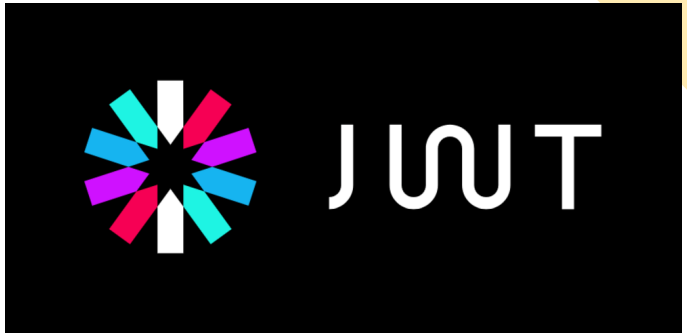
```
{
  "sub": "1234567890",
  "name": "John Doe",
  "admin": true
}
```

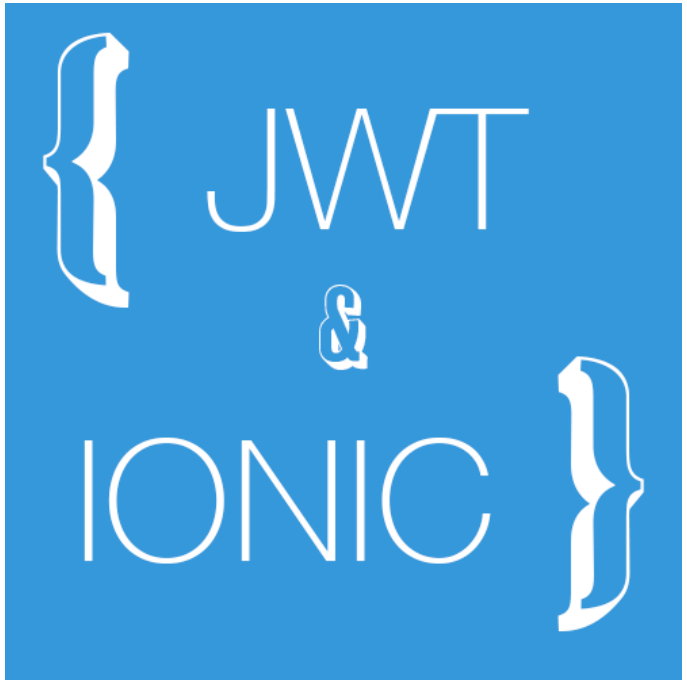
+

SIGNATURE

VERIFICATION

```
HMACSHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),secretKey)
```





https://ionicframework.com/blog/quick-guide-comparing-ionic-and-flutter/

https://en.wikipedia.org/wiki/Flutter_(software)

https://en.wikipedia.org/wiki/Ionic_(mobile_app_framework)

https://en.wikipedia.org/wiki/React_Native