

---

# JAVASCRIPT

---

# NODE.JS

- Node.js - JavaScript runtime built on Chrome's V8 JavaScript engine. Open source server environment.
  - Node.js comes with its own npm package installer.
  - Node.js runs single-threaded, non-blocking, asynchronously programming, which is very memory efficient.
-

---

# EXPRESS

- Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.
  - With a myriad of HTTP utility methods and middleware at your disposal, creating a robust API is quick and easy.
  - Express provides a thin layer of fundamental web application features, without obscuring Node.js features.
-

---

# MIDDLEWARE

- Function that have access to the request object (**req**), the response object (**res**), and the next middleware function in the request-response loop of the application.
  - Tasks:
    - Execution of any code.
    - Making changes to the request and response objects.
    - Completion of the request-response cycle.
    - Calls the next middleware function from the stack.
-

---

# LODASH

- Lodash makes JavaScript easier by taking the hassle out of working with arrays, numbers, objects, strings, etc.

```
var users = [
  { 'user': 'barney', 'age': 36, 'active': true },
  { 'user': 'fred', 'age': 40, 'active': false },
  { 'user': 'pebbles', 'age': 1, 'active': true }
];

_.find(users, function(o) { return o.age < 40; });
// => object for 'barney'

// The `_.matches` iteratee shorthand.
_.find(users, { 'age': 1, 'active': true });
// => object for 'pebbles'

// The `_.matchesProperty` iteratee shorthand.
_.find(users, ['active', false]);
// => object for 'fred'

// The `_.property` iteratee shorthand.
_.find(users, 'active');
// => object for 'barney'
```