Intro to Node.js

Ain't nothin' but an async thing

Node.js

- Google's V8 JS engine
- relatively low-level JS interface; no "batteries included"
- "event-driven, non-blocking"
- http://nodejs.org/api/

Modules

- Looks sort of like CommonJS, but does not follow the spec
- package.json
- Dependencies are stored locally

NPM

http://npmjs.org

Asynchronous

Errands

Pros
- No blocking

Cons
- callback hell

Callback hell

- EventEmitter
- Promises, promises (Promises/A)
  - https://github.com/tildeio/rsvp.js
- Named functions
- Async libraries
  - https://github.com/caolan/async
- modules
- http://callbackhell.com/

WebSockets

- SocketIO
- SockJS
- NowJS
- SocketStream

Streams

Like pipes in Unix

https://github.com/substack/stream-handbook

http://maxogden.com/node-streams.html

Common patterns

- Callback with err as first arg

Misc

- REPL
- SSL support
- debugger
- domains

Links

- https://github.com/hij1nx/blog