# Introduction

## Why this talk

### Mark Drew asking me why anyone would want to build their own web server

### Node is everywhere

#### <https://github.com/joyent/node/wiki/Projects,-Applications,-and-Companies-Using-Node>

## About me

## The Landscape

### Google trends 2012

### Google trends 2014

### Job trends

## The excuses (for not doing node)

### My boss won’t let me

### Too complicated

### What I have works

## If you’re on IRC – join this channel

### #cfo\_node

# In JS, Context is everything

## Why should you care?

### Functional

### Fast

### Fun

## What is node?

### Node.js is a platform built on Chrome's JavaScript runtime for easily building fast, scalable network applications. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.

## What node isn’t:

### A framework (it’s just a platform running on the V8 engine)

### The only solution

### Multi-threaded

### Magical (even though it can seem like it)

### The only server-side JS engine (although it’s still the fastest)

### A fully mature platform (you have to embrace change)

## What does that mean?

### Single-threaded but non-blocking

#### Example of blocking code

### Asynchronous

#### Example of non-blocking code

### The “Event Loop” Explained

## The major pieces of node

### EventEmitter

### Streams

## NPM has things to make us go

### Graph of NPM packages growth

### <https://www.npmjs.org/> (demo)

### node\_modules - dependencies

### package.json

# Bring on the demos!

## The Practical

### REST API

### Express

### Data manipulation

### Gulp

## The Whimsical

### IRC Bot – Eliza/Jerk

## The Awesome

### <https://www.npmjs.org/package/nodedump>

## The Fantastical

### Voice recognition via web

### Microcontroller running node.js

## The Sci-Fi Future

### DNODE + Arduino

# Resources

## NPMs I use daily

### Forever

### Async

### Optimist

### Q

### browserify

### uglify

### jshint

### Jade

### Connect

### Moment

### DNODE

## Docs and Tutorials

### http://nodeschool.io/#learn-you-node

### <http://node.codeschool.com/>

### <http://nodejs.org/>

### https://github.com/joyent/node/wiki

# Questions