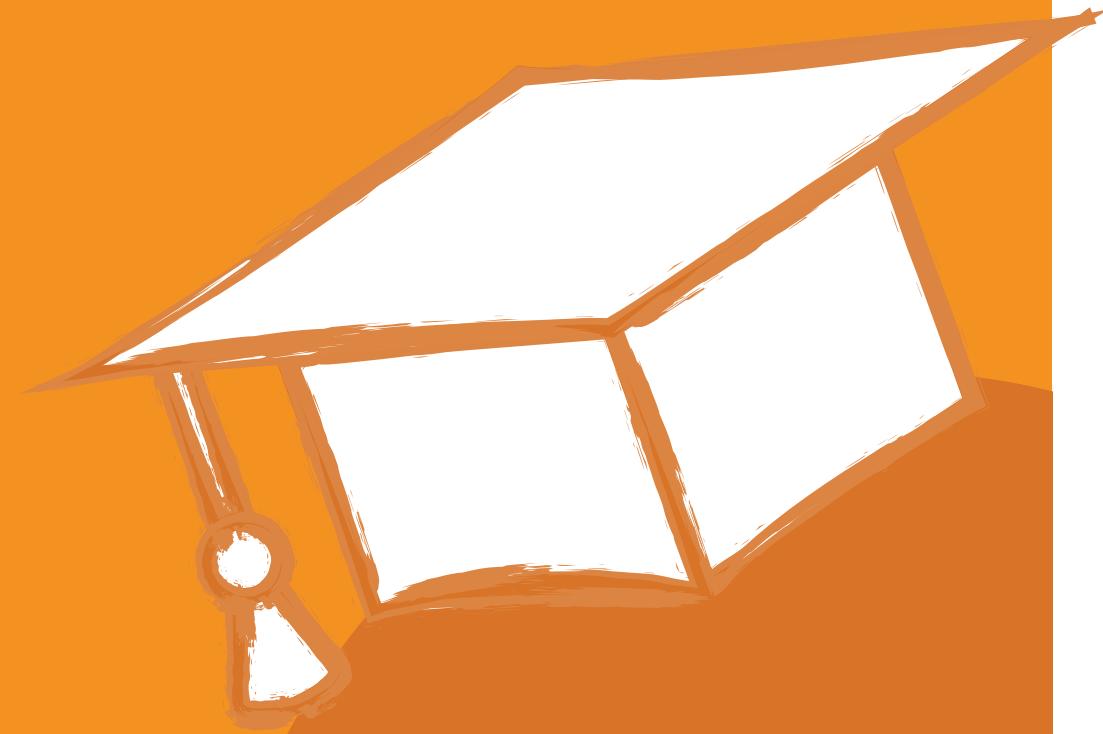


# CODE

— for —

# BALTIMORE

## LEARN NIGHT



# Node.js + Rest

# What is Node?

RUNTIME ENGINE USING V8  
AND JAVASCRIPT SYNTAX

OPEN SOURCE

ASYNCHRONOUS AND EVENT

DRIVEN

THREADLESS

# What is Node good for?

WEB SERVERS

MICROSERVICES

RESTFUL APIs

MOBILE

FULL STACK JAVASCRIPT

...YES THESE COULD ALL BE THE SAME PROJECT

what  
is Node?  
**NOT**  
good for?

SHORT STORY...

LONG RUNNING COMPUTATIONS

blah-blah-01100010011011000110000101101000

# NPM + Packages

NPMJS.ORG

INSTALL, SHARE, DISTRIBUTE CODE

MANAGE DEPENDENCIES IN YOUR PROJECTS

SHARE + RECEIVE FEEDBACK WITH OTHERS

350Kish packages



what can be

MADDENING

PLAYING IN A THREAD-LESS ASYNC WORLD

CALLBACK HELL

PICKING THE RIGHT PACKAGES

NOT  
just  
websites/  
services

THE ATOM TEXT EDITOR

CHATBOTS



# What does it look like?

```
const http = require('http');

const hostname = '127.0.0.1';
const port = 3000;

const server = http.createServer((req, res) => {
  res.statusCode = 200;
  res.setHeader('Content-Type', 'text/plain');
  res.end('Hello World\n');
});

server.listen(port, hostname, () => {
  console.log(`Server running at http://${hostname}:${port}/`);
});
```

# Express

EXPRESSJS.ORG

```
var express = require('express')
var app = express()

app.get('/', function (req, res) {
  res.send('Hello World!')
})

app.listen(3000, function () {
  console.log('Example app listening on port 3000!')
})
```

EXPRESS IS A MINIMAL AND FLEXIBLE NODE.JS WEB APPLICATION FRAMEWORK THAT PROVIDES A ROBUST SET OF FEATURES FOR WEB AND MOBILE APPLICATIONS.

# Passport

PASSPORTJS.ORG

LOGIN STRATEGIES

USERNAME/PASSWORD

OATH

TOKEN

---

GOOGLE, FACEBOOK, TWITTER

300+ strategies

# Nodemailer

NINJA EMAIL STUFF



# Socket.io

REAL-TIME BIDIRECTIONAL  
EVENT-BASED COMMUNICATION. WORKS  
ON EVERY PLATFORM, BROWSER OR  
DEVICE, FOCUSING EQUALLY ON  
RELIABILITY AND SPEED.

PUSH NOTIFICATION

CHAT

STREAMING

# Node vs Java

FOR RESTFUL SERVICES

DISCUSSION

