

# **Up And Running With NodeJs**

# Haider Malik

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Blog: [fullstackhour.com](https://fullstackhour.com)

Twitter: [@haidermalik504](https://twitter.com/haidermalik504)

Email: [haider@fullstackhour.com](mailto:haider@fullstackhour.com)

# Nodejs Courses






### Nodejs: Building REST APIS With Hapijs

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No reviews yet

~~\$100~~ **\$12**





### Nodejs: Building REST APIs From Scratch

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★★★★☆ 4 (52)

~~\$20~~ **\$12**





### Node.js : Building Rest Apis with Sails.js

Haider Malik

★★★★☆ 4.2 (35)

~~\$100~~ **\$12**



### Writing Clean Asynchronous Code In...

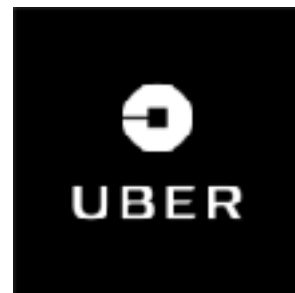
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★★★★☆ 3.6 (26)

~~\$180~~ **\$12**

# Javascript Runtime

# Who uses Node.js



# Synchronous programming

```
$file = fopen('info.txt', 'r');
```

```
//wait until file is open
```

```
$contents = fread($file, 1000000);
```

```
//wait until contents are read
```

# Asynchronous Programming

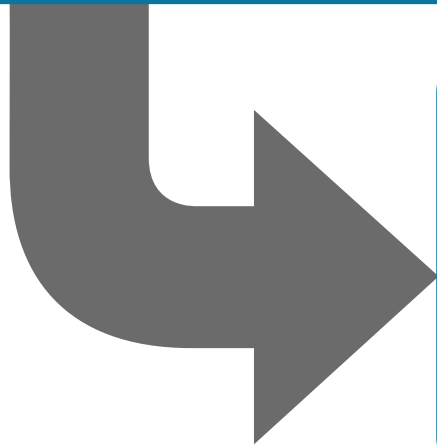
```
fs.readFile('info.txt', function(err, data){  
    if (err) throw err;  
    console.log(data);  
});  
  
//You will not block  
console.log('Execute other tasks');
```

# Features of Node.js

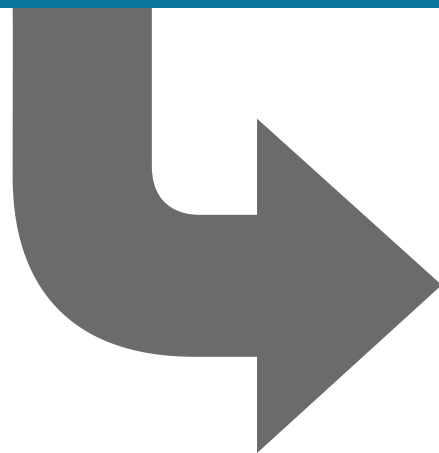
- Very Fast
- Single Threaded
- No Buffering



Javascript Code



V8(C/C++)



Machine Code

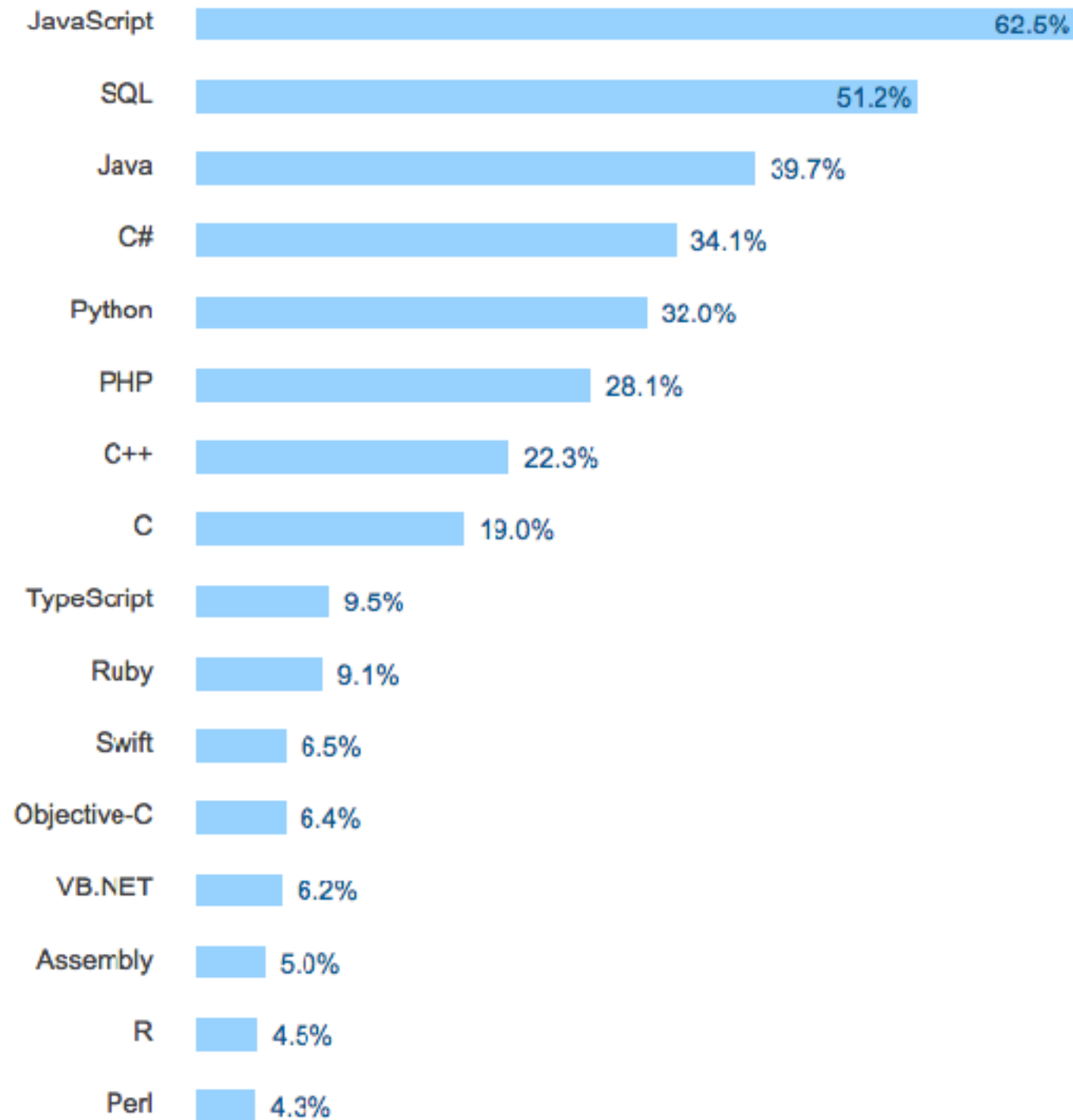
# Where to use Node.js

- I/O bound Applications
- Data Streaming Applications
- Data Intensive Real-time Applications (DIRT)
- JSON APIs based Applications

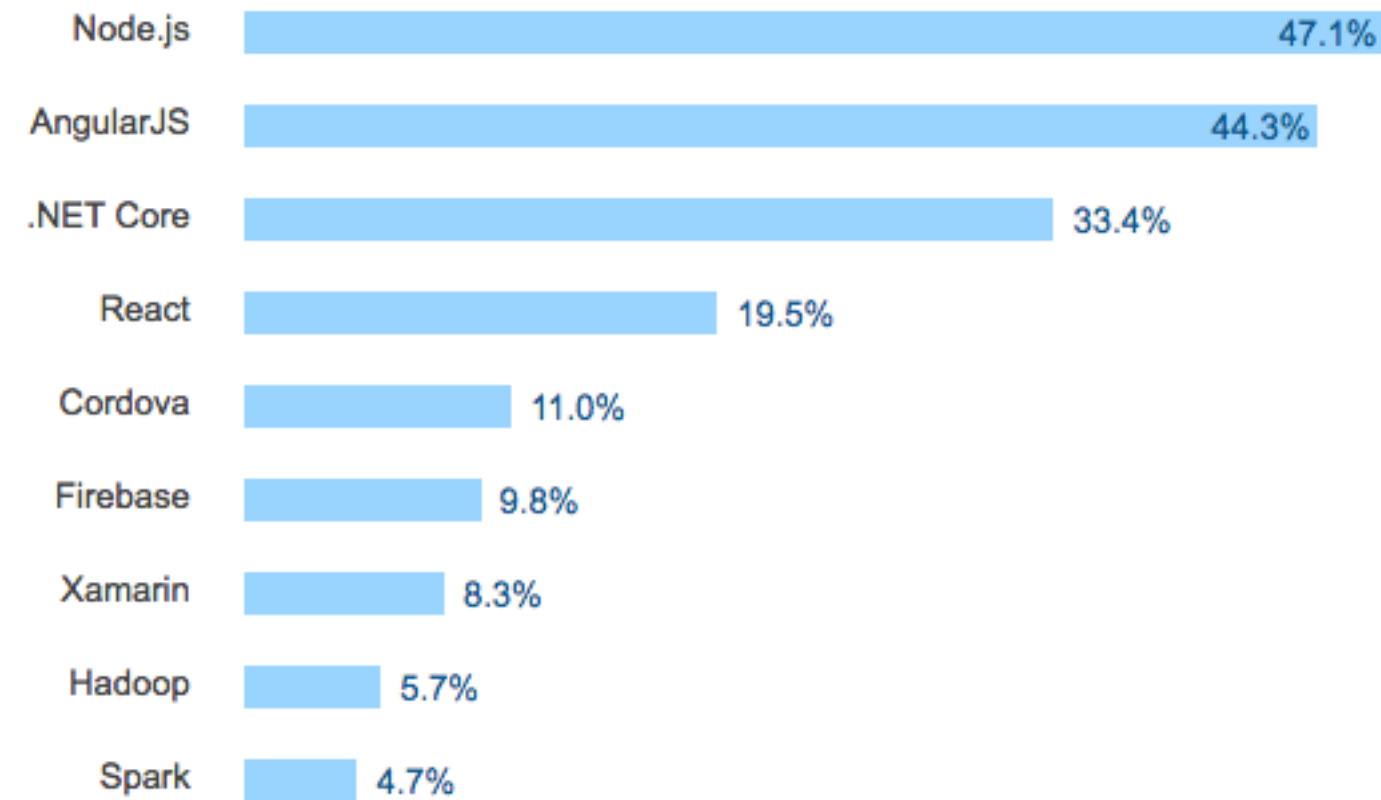
# Where Not to use Node.js

- CPU intensive applications

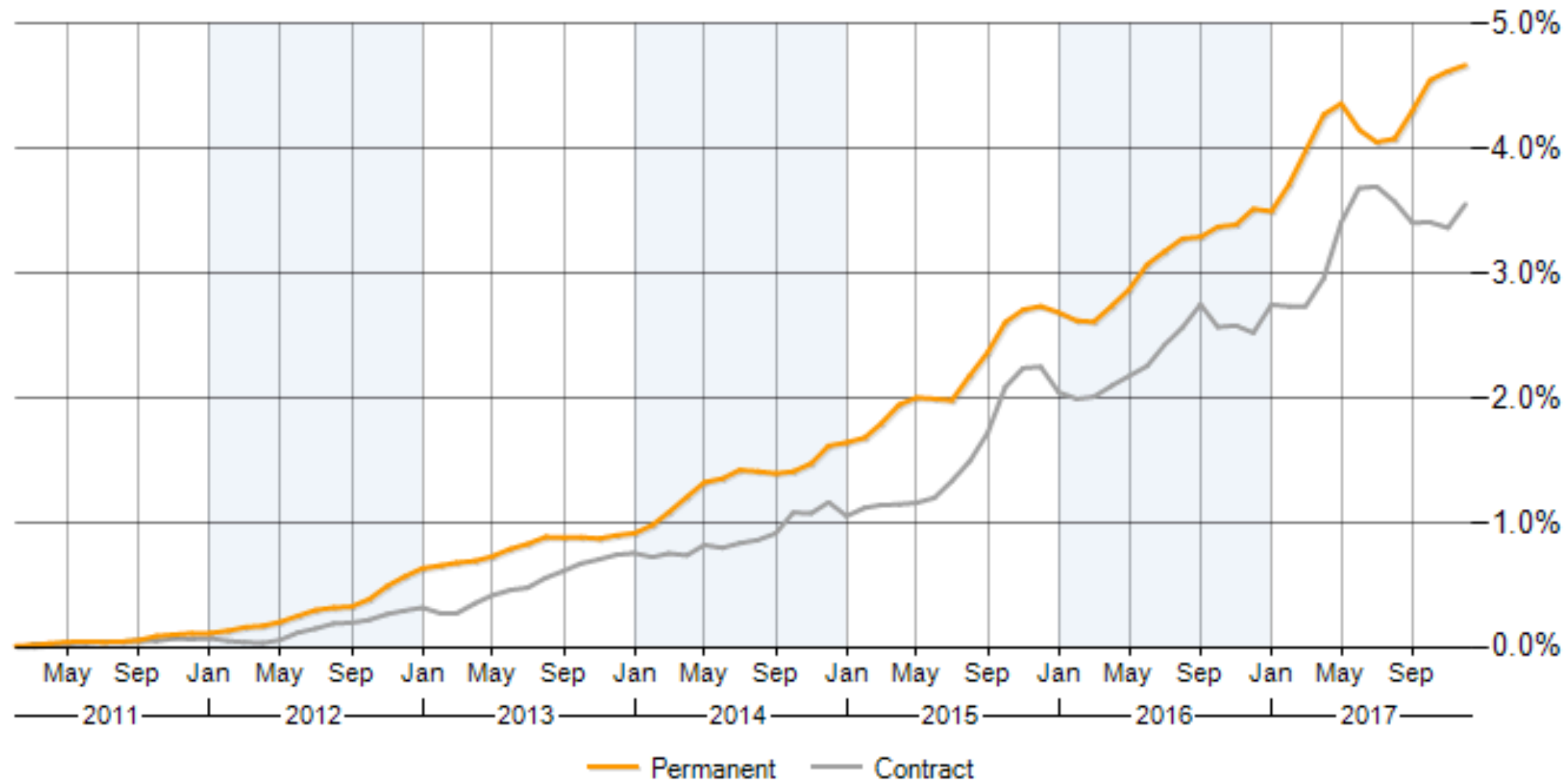
# Most Popular Technologies



# Most Popular Frameworks



# Node.js Job Vacancy Trend



Javascript runs everywhere

Demo



# Source Code

<https://github.com/HaiderMalik12/node-devconf>