



# Node.js + Express

Enquanto você lê este subtítulo, um novo framework JavaScript é criado, e isso é culpa do Node!



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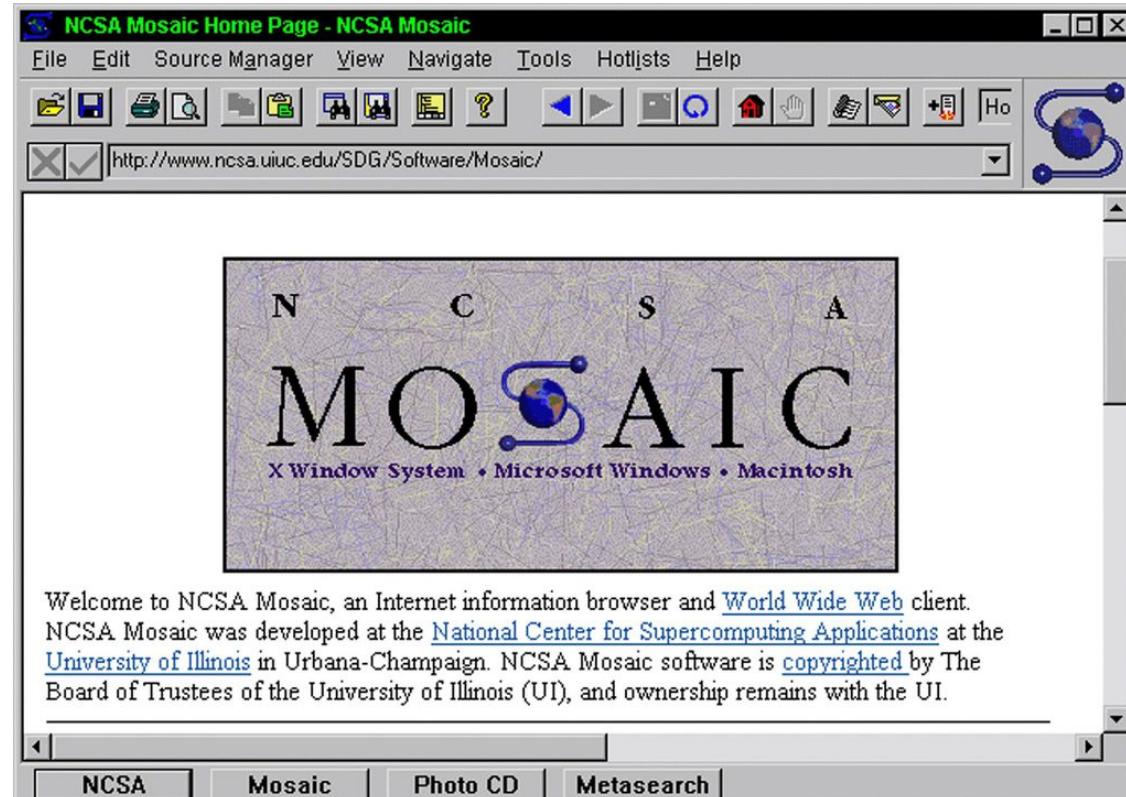
**Nos apresentando**  
**(eh o crime, eh nois)**

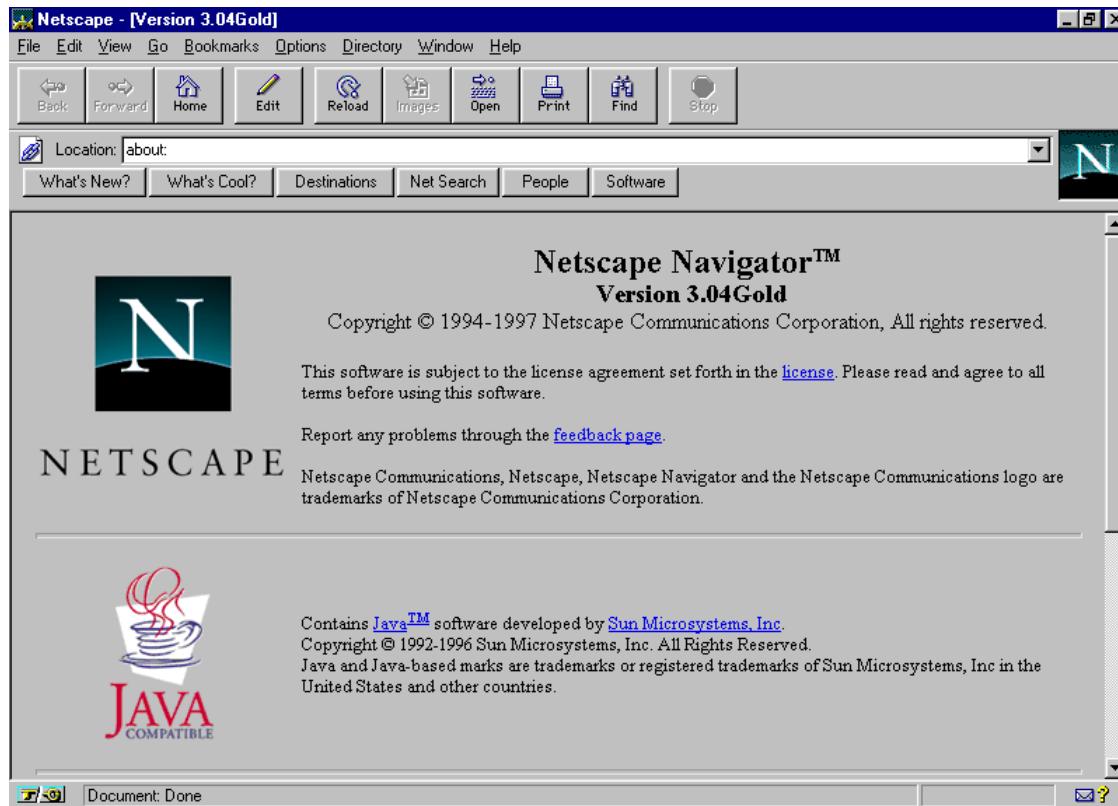
# Como chegamos ao Node?



# O contexto das webs







# Schema (Paradigma funcional)



```
//Scheme Code
(import
  (rnrs)
  (ironScheme clr))

//Define a function write-ln
(define (write-ln fmt . args)
  (clr-static-call System.Console WriteLine
    (clr-cast System.String fmt)
    (clr-cast System.Object[]
      (list->vector args)))))

//And invoke it!
(write-ln "{0}" "Hello World!")
```

# Java - (Sintaxe)



# Brendan Eich

Criador do JavaScript



O JavaScript foi criado para funcionar apenas em client-side(browser).

# PCWEEK

How to Implement

## NETSCAPE LIVEWIRE PRO

**From Conception to Launch:  
Gain Control of Complex,  
Interactive Web Sites**

- Take charge with the drag-and-drop site management techniques
- Create and display well-designed sites—sites that easily edit and update them locally
- Harness the rapid development advantages of JavaScript and LiveWire's JavaScript compiler
- Master server-side programming that lets clients download, access, and update networked databases



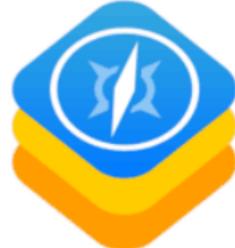
Amy Helen Johnson and Warren Ernst

# Web 2.0



# Principais navegadores no início da Web 2.0





webkit

Browser

Chrome

Browser Engine

Chromium

v8

Runtime

JavaScript

Renderer

HTML & CSS

Blink



# Ryan Dahl

Criador do Node.js



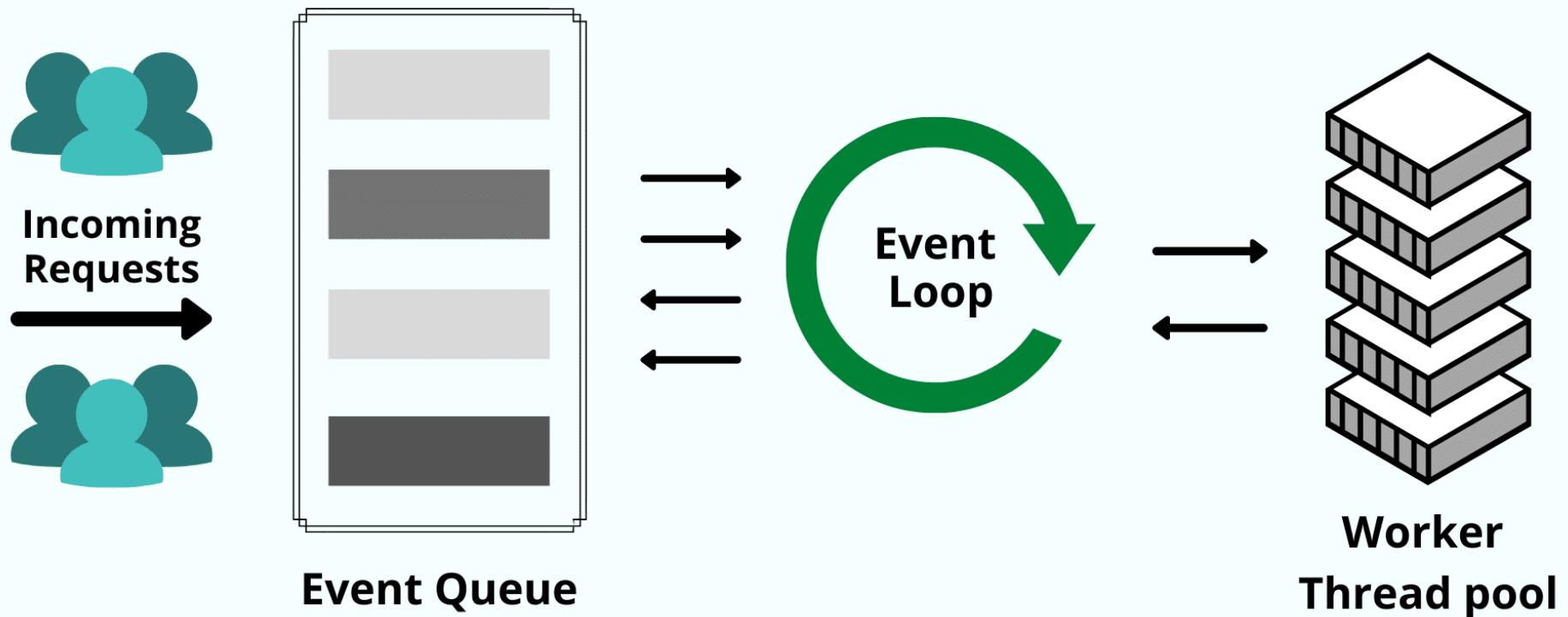


**O Node.js permite utilizar o  
JavaScript no server-side  
(Servidor)**

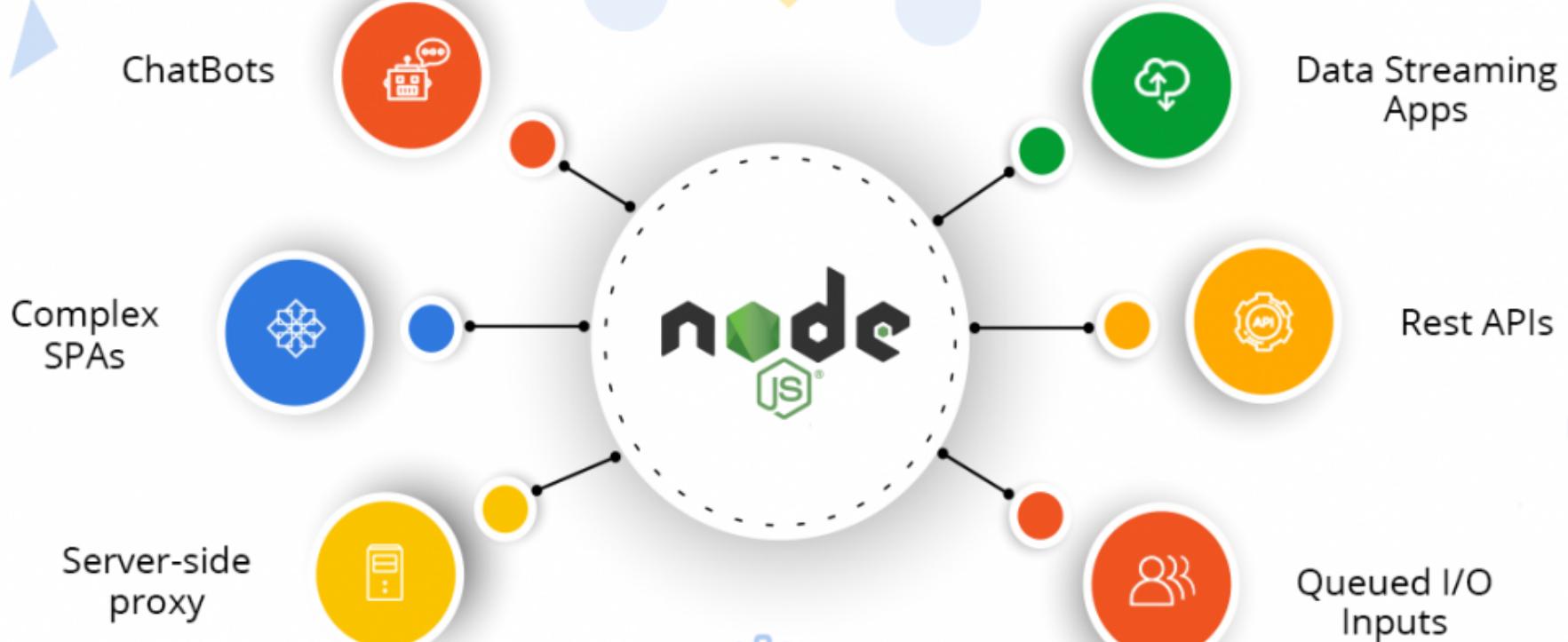
O Node.js permite utilizar o  
JavaScript ~~no server side~~  
~~(Servidor)~~

**FORA DO BROWSER!**

# Node.js Architecture



# What is Node.js used for?



## PROS

## CONS

# express

★ Github Stars - 30 694



Powerful routed API



Huge supporting  
community



Supports many  
third-party plugins



Has detailed  
documentation



Very simple and fast



Demands manual labor-  
intensive tasks



Provides no  
universal way of  
organizing things\*

# **GitHub da monitoria com listas e código fonte dos slides:**

Acessar GitHub