



A <PROGRAMAÇÃO> PRECISA DE TI

Laboratório Web

Introdução ao desenvolvimento web

THE WORLD'S MOST IN DEMAND PROFESSIONS

Across the developed countries of the world, skilled professionals are in high demand. Software engineers are needed in 24 countries, nurses are needed in 18, while 11 countries report a shortage of accountants. Explore the chart below to see which occupations are most in demand across the world and discover which skills are needed.



Developer type

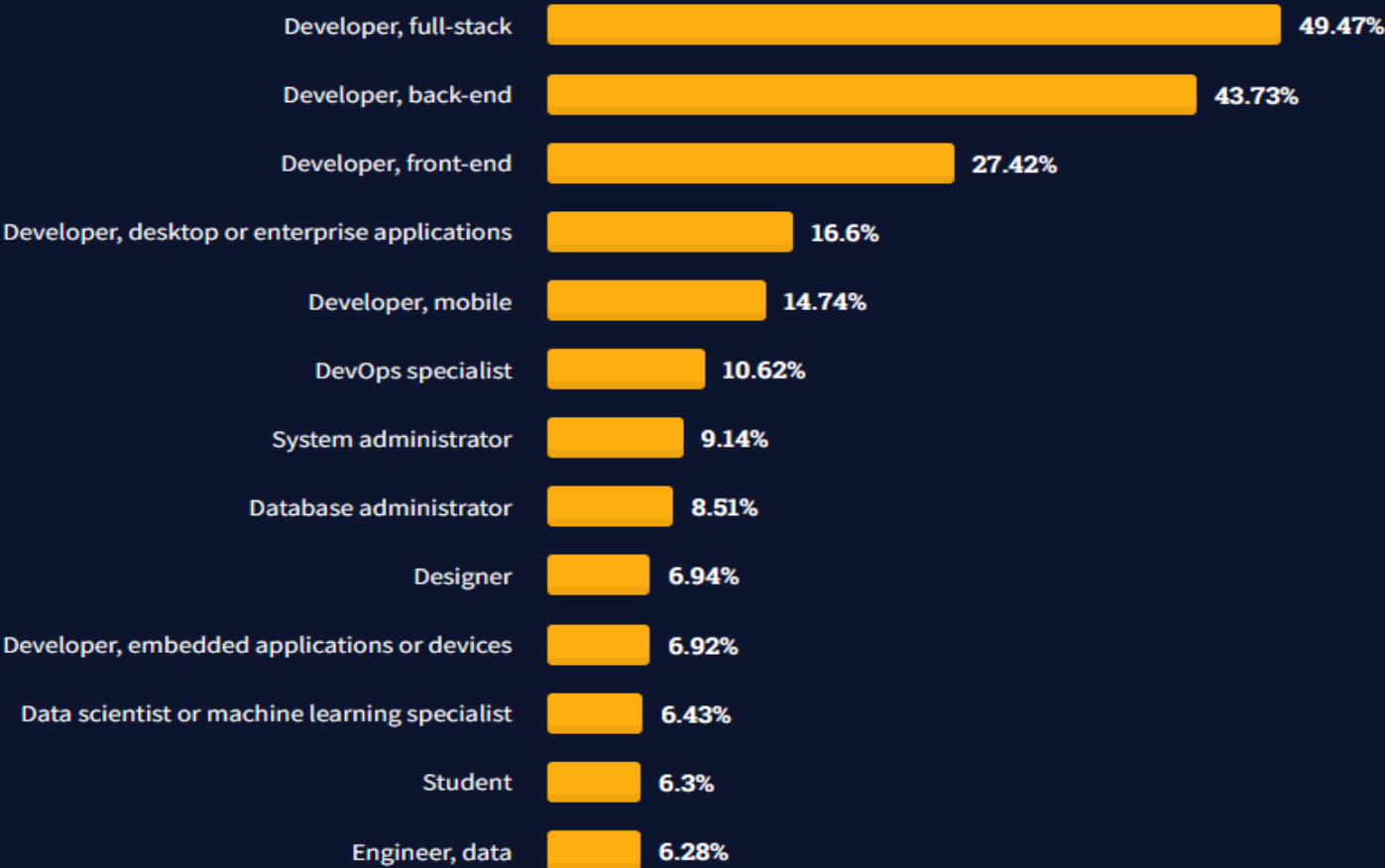


Full stack, back-end, front-end, and desktop developers continue to account for the majority of all respondents.

All Respondents

United States

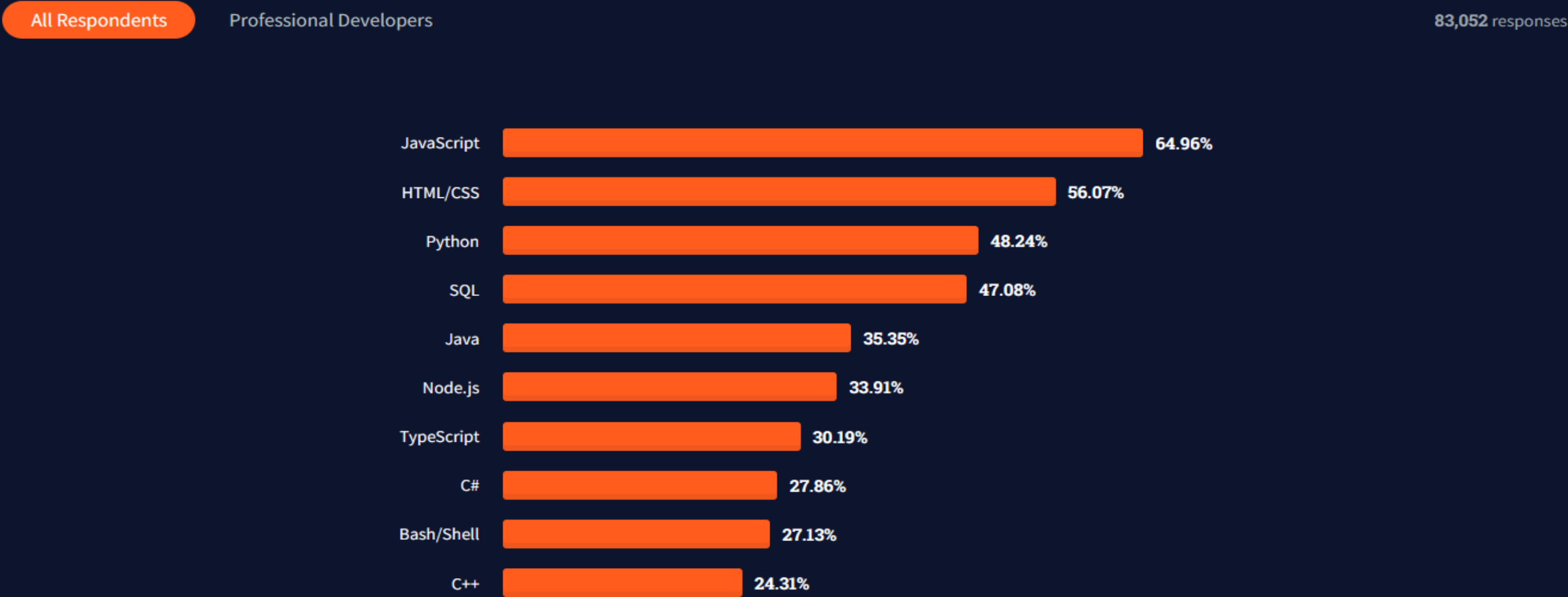
66,484 responses



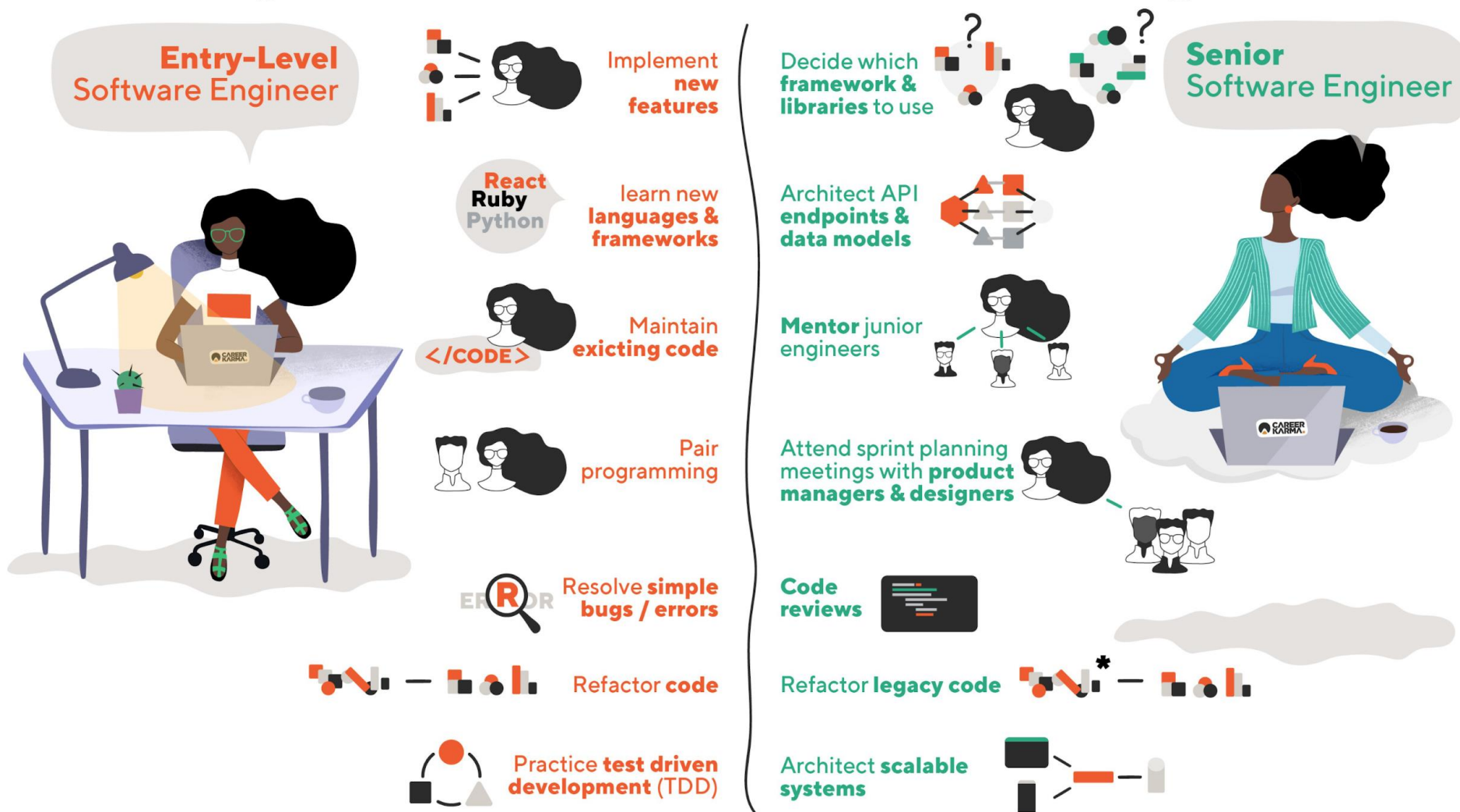
Programming, scripting, and markup languages



JavaScript completes its ninth year in a row as the most commonly used programming language. For most developers, programming is web programming. Python traded places with SQL to become the third most popular language.



A Day in the Life of a Software Engineer



Visual Studio

- Microsoft Visual Studio é um ambiente de desenvolvimento integrado (IDE – Integrated Development Environment)
- Dedicado ao desenvolvimento em .NET Framework e às linguagens VB, C, C++, C# e F#
- Também utilizado para desenvolvimento WEB, usando ASP.NET ou .NET CORE

Visual Studio interface showing a C# code file named `Update160P2.cs` within the `ProductivityFeatures` project. The code defines a method `ForeachLoopToLinqMethod()` and a codefix `UsingRefAddedCopyPaste()`.

```
// Place cursor in foreach keyword and type (Ctrl + .)
// Select 'Convert to Linq(call form)' to convert to a method
0 references | kendrahavens, 20 days ago | 1 author, 1 change
57 public void ForeachLoopToLinqMethod()
58 {
59     var greetings = new List<string>()
60     { "hi", "yo", "hello", "howdy" };
61
62     foreach(var greet in greetings)
63     {
64         if(greet.Length < 3)
65         {
66             Console.WriteLine(greet);
67         }
68     }
69
70 }
71
72 // A codefix for adding the needed "using" will appear on copy/pasted code
73 // Uncomment the text into the method below: string json = JsonConvert.Serializ
74 // With your cursor in "JsonConvert" type (Ctrl + .)
75 // Select to add the Using Newtonsoft.Json
76 0 references | kendrahavens, 20 days ago | 1 author, 1 change
77 public void UsingRefAddedCopyPaste()
78 {
79     //string json = JsonConvert.SerializeObject("some json");
80 }
```

The Solution Explorer on the right shows the project structure:

- Solution 'ProductivityFeatures' (2 projects)
 - ProductivityFeatures
 - Dependencies
 - Program.cs
 - Update158.cs
 - Update160P1.cs
 - Update160P2.cs
 - XUnitTestProject1

The status bar at the bottom indicates 'Ready', 'Ln 62', 'Col 16', 'Ch 16', 'INS', and 'Productivity-15.8'.

Postman

- É uma aplicação para facilitar a construção e testes de APIs
- Providencia ferramentas que aceleram o ciclo de vida de desenvolvimento de uma API
- Permite desenhar, testar, documentar e simular APIs
- Usado por mais de 15M de programadores

Home Workspaces Reports Explore Search Postman

Twitter's Public Workspace New Import

GET Single Tweet

Twitter API v2 / Tweet Lookup / Single Tweet

GET https://api.twitter.com/2/tweets/id Send

Params Authorization Headers Body Pre-request Scripts Tests Settings Cookies

Query params

	Key	Value	description		Bulk edit	Presets
<input type="checkbox"/>	tweet.fields		attachments,author_id,context_annotations,conversatio...			
<input type="checkbox"/>	expansions		Comma-separated list of fields to expand. Expansions e...			
<input type="checkbox"/>	media.fields		duration_ms,height,media_key,non_public_metrics,organ...			
<input type="checkbox"/>	poll.fields		Comma-separated list of fields for the poll object. Expl...			
<input type="checkbox"/>	place.fields		Comma-separated list of fields for the place object. Exp...			
<input type="checkbox"/>	user.fields		Comma-separated list of fields for the user object. Expl...			

Path Variables

	Key	Value	description		Bulk edit	Presets
<input checked="" type="checkbox"/>	id	1403216129661628420	Required. Enter a single Tweet ID.			

Body Cookies Headers Test Results

200 OK 468 ms 734 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": {
3     "id": "1403216129661628420",
4     "text": "Donovan Mitchell went down after a collision with Paul George toward the
5 end of Game 2. https://t.co/Y9ihXhDLN"
6   }
}
```

Documentation

https://api.twitter.com/2/tweets/id

This endpoint returns details about the Tweet specified by the requested ID.

For full details, see the [API reference](#) for this endpoint.

Authorisation Bearer token

This request is using an authorization helper from collection [Twitter API v2](#)

Request params

tweet.fields Comma-separated list of fields for the Tweet object.

Allowed values:
attachments,author_id,context_annotation
s,conversation_id,created_at,entities,geo,i
d,in_reply_to_user_id,lang,non_public_metr
ics,organic_metrics,possibly_sensitive,pro
moted_metrics,public_metrics,referenced_
tweets,reply_settings,source,text,withheld

Default values: id,text

OAuth1.0a User Context authorization
required if any of the following fields are
included in the request:
non_public_metrics,organic_metrics,promo

[View complete collection documentation →](#)

Find and Replace Console Desktop agent Bootcamp Runner Trash

MySQL Workbench

- MySQL Workbench é uma ferramenta visual unificada para arquitetos de bases de dados, programadores e DBAs.
- O MySQL Workbench fornece modelação de dados, desenvolvimento de SQL e ferramentas de administração abrangentes para configuração de servidor, administração de utilizadores e backup de dados

MySQL Workbench

dev_server x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

MySQL ENTERPRISE

- Audit Inspector
- Online Backup
- Backup Recovery

SCHEMAS

Filter objects

- information_schema
- mysql
- performance_schema
- sakila
- test
 - Tables
 - city
 - country

Information

Table: city

Columns:

ID	Name	CountryCode	District	Population
int(11) AI PK	char(35)	char(3)	char(20)	int(11)

Object Info Session

Executing Query...

Administration - Server Status x SQL File 1*

MySQL Server 5.6

Connection Name: dev_server

Host: MFRANK-US
Socket: MySQL
Port: 3306
Version: 5.6.12-enterprise-commercial-advanced
MySQL Enterprise Server - Advanced Edition (Commercial)
Compiled For: Win64 (x86_64)

Available Server Features

Performance Schema:	On	SSL Availability:	Off
Thread Pool:	n/a	Windows Authentication:	Off
Memcached Plugin:	n/a	Password Validation:	n/a
Semisync Replication Plugin:	n/a	Audit Log:	n/a

Server Directories

Base Directory: C:\Program Files\MySQL\MySQL Server 5.6\
Data Directory: C:\ProgramData\MySQL\MySQL Server 5.6\data\
Disk Space in Data Dir: 150.00 GB of 326.00 GB available
Plugins Directory: C:\Program Files\MySQL\MySQL Server 5.6\lib\plugin\
Tmp Directory: C:\Windows\SERVIC~2\NETWOR~1\AppData\Local\Temp
Error Log: On .\MFRANK-US.err
General Log: Off
Slow Query Log: Off

Replication Slave

this server is not a slave in a replication setup

Authentication

SHA256 password private key: private_key.pem
SHA256 password public key: public_key.pem

Server Status: Running
CPU: 25%
Connections: 4
Traffic: 21.80 KB/s
Key Efficiency: 76.6%
Queries per Second: 983
InnoDB Buffer Usage: 3.7%
InnoDB Reads per Second: 0
InnoDB Writes per Second: 989

Github & Desktop

- GitHub é uma plataforma para hospedar código-fonte e arquivos com controlo de versão usando o Git
- Permite que programadores, ou qualquer utilizador registado na plataforma trabalhem de forma colaborativa em projetos privados ou públicos/Open Source
- Localmente vamos utilizar a aplicação Github Desktop para gerir os nossos repositórios de código



Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

Email address

Sign up for GitHub



#1911 Laravel-Lang/lang

PHP • Opened in Russia, merged 2 hours ago in France

73+ million

Developers

4+ million

Organizations

200+ million

Repositories

84%

Fortune 100



File
Edit
View
Repository
Branch
Help

Current repository
desktop

Current branch
esc-pr

#3972 ✓

Fetch origin
Last fetched 2 minutes ago

Changes

History

Appease linter

iAmWillShepherd committed a day ago

Add event handler to dropdown compon...

iAmWillShepherd and Markus Olsson co...

Move escape behavior to correct compo...

iAmWillShepherd and Markus Olsson co...

Remove event handler from the branches..

iAmWillShepherd and Markus Olsson co...

Merge branch 'master' into esc-pr

iAmWillShepherd committed a day ago

Merge pull request #4044 from desktop/...

Neha Batra committed a day ago

Merge pull request #4070 from desktop/...

Brendan Forster committed 2 days ago

bump to beta3

Brendan Forster committed 2 days ago

Merge pull request #4057 from desktop/...

Brendan Forster committed 2 days ago

Merge pull request #4067 from desktop/...

Brendan Forster committed 2 days ago

Release to 1.1.0-beta2

Neha Batra committed 2 days ago

Add event handler to dropdown component

iAmWillShepherd and Markus Olsson committed

c79e71c

1 changed file

Co-Authored-By: Markus Olsson <niik@users.noreply.github.com>

app\src\ui\toolbar\dropdown.tsx

145

145

this.state = { clientRect: null }

146

146

}

147

147

148

148

+ private get isOpen() {

149

149

+ return this.props.dropdownState === 'open'

150

150

+ }

151

151

+

148

152

private dropdownIcon(state: DropdownState): Octic

149

153

onSymbol {

149

153

// @TODO: Remake triangle octicon in a 12px ver

149

153

sion,

150

154

// right now it's scaled badly on normal dpi mo

150

154

nitors.

249

253

}

250

254

}

251

255

256

256

+ private onFoldoutKeyDown = (event: React.Keyboard

257

257

Event<HTMLElement>) => {

257

257

+ if (!event.defaultPrevented && this.isOpen && e

257

257

vent.key === 'Escape') {

258

258

+ event.preventDefault()

qualificar

TAL

X

</>

A <PROGRAMAÇÃO