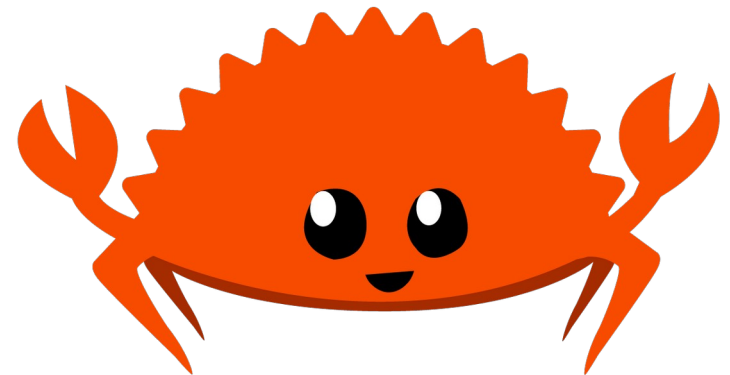


Програмиране с Rust

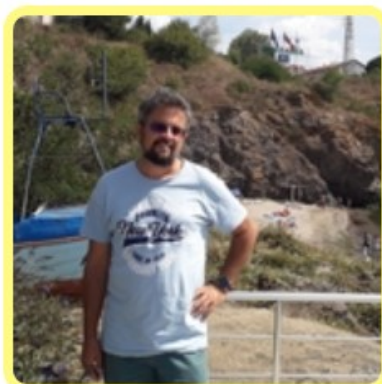


Екип

Това е екипът зад курса Програмиране с Rust. За да се свържете с нас, може да ни пишете на fmi@rust-lang.bg.



Андрей



Петър Казаков



Делян



Никола







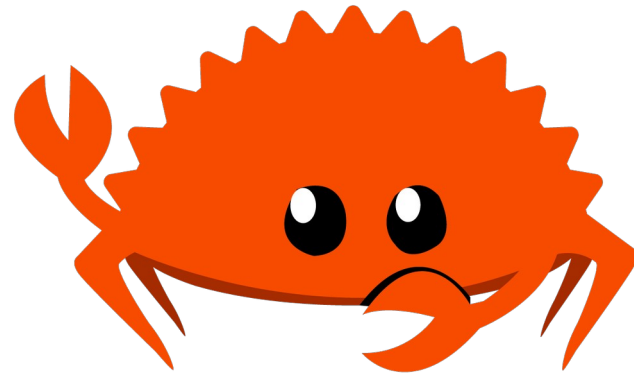
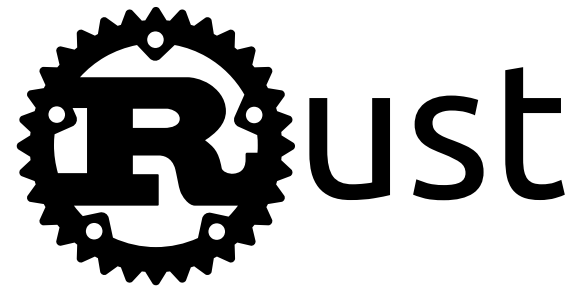


Rust

EVANGELISM

STRIKE FORCE





moz://a

Rust

- Млад: само на 5.5_f32 години (от 1.0)
- “С ме застреля в крака”
- “С++ ми застреля и двата крака”



Rust: безопасност

- Ръчна алокация на памет
 - Но няма `free`
- Мерки против кракозастрелвания
 - Няма `null`
 - Всички `references` са гарантирано валидни, `compile-time`
 - Няма `data races`

Rust: low-level

- Бърз
- Zero-cost abstractions
- Малък runtime
- Съвместимост

Rust: high-level

- Пакети
- Тестване
- Силна статична типова система
- Любезен компилатор
- Елементи от функционалното програмиране
- Елементи от ООП

Rust: community



Essays, opinions, and advice on the act of computer programming from Stack Overflow.

[Latest](#) [Newsletter](#) [Podcast](#) [Company](#)

code-for-a-living

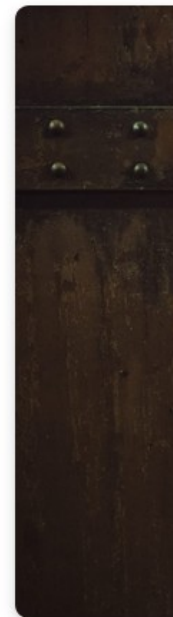
JANUARY 20, 2020

What is Rust and why is it so popular?

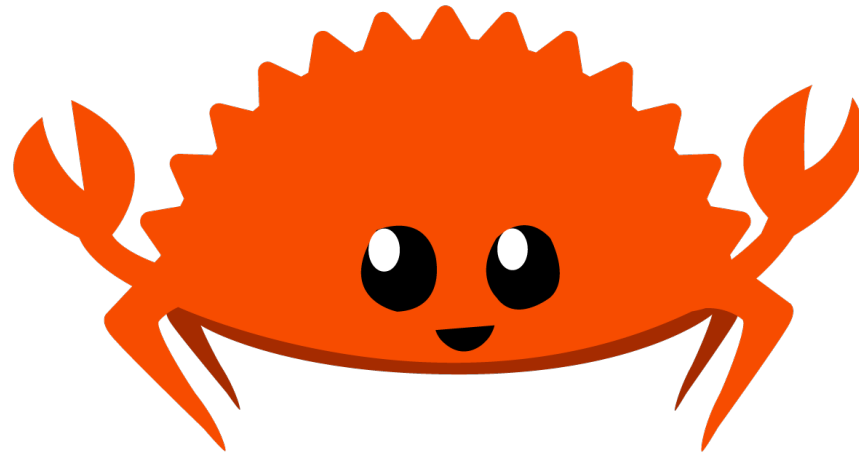
Rust has been Stack Overflow's most loved language for four years in a row, indicating that many of those who have had the opportunity to use Rust have fallen in love with it. However, the roughly 97% of survey respondents who haven't used Rust may wonder, "What's the deal with Rust?"



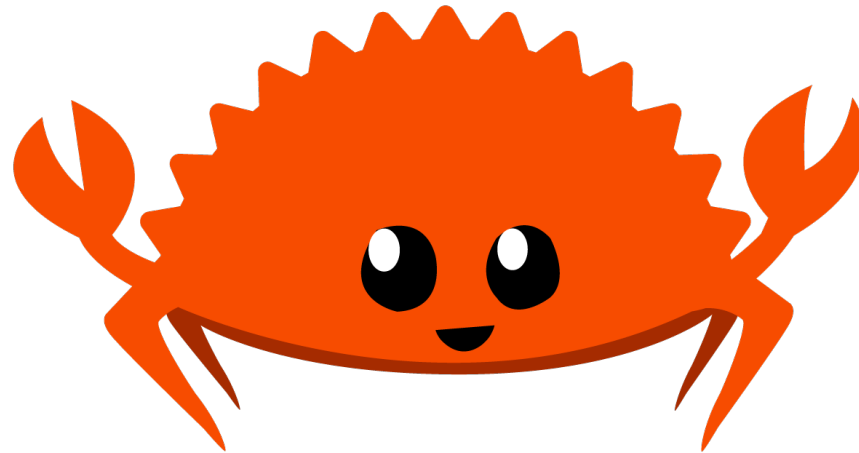
Jake Goulding



Ferris the Crustacean



Ferris the Crustacean



Friends of Rust



Braintree



Coursera

snips



Rust companies

Rust Companies

A curated list of companies using Rust in production, organized by industry.

Inspired by [Elixir's](#) and [Elm's](#) lists.

Technology

- [360dialog](#) - Most of our service consumers are written with Rust.
- [Atlassian](#) - We use Rust in a service for analyzing petabytes of source code.
- [Brave](#) ([GitHub](#)) - Adblock engine for Brave Browser.
- [Discord](#) ([1](#), [2](#)) - Communication Platform designed for communities.
- [DungeonFog](#) ([GitHub](#)) ([Discord](#)) - New "Project Deios" map maker tool is written completely in rust, everything we can make opensource is hosted on our github.
- [Facebook](#) ([1](#)) - Facebook's primary source control system is partially written in Rust.
- [Figma](#)([1](#)) - Our real-time multiplayer syncing server (used to edit all Figma documents) is written in Rust.
- [Fly](#) ([GitHub](#)) - Globally distributed reverse-proxy and app hosting.
- [Mozilla](#) ([GitHub](#), [Servo](#)) - Building the Servo browser engine, integrating into Firefox, other projects.
- [Qumulo](#)([1](#), [2](#)) - Hybrid cloud storage.

Cryptocurrencies

- [Bitfury](#)([Exonum](#)) - Exonum is an extensible framework for blockchain projects written in Rust.
- [Cryptape](#) - Rust makes our permissioned blockchain, CITA, faster and stronger.
- [Libra](#) ([GitHub](#)) - A global cryptocurrency built by Facebook.



Embark

Financial Contributor

Total contributions
€20,000 EUR



Adam Perry

Financial Contributor

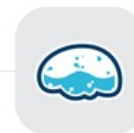
Total contributions
€1,600 EUR
Sponsor



1Password

Financial Contributor

Total contributions
€1,500 EUR



Brainium Studios

Financial Contributor

Total contributions
€500 EUR
Sponsor



CoreOS

Financial Contributor

Total contributions
€



Discord

Financial Contributor

Total contributions
€3,500 EUR
Sponsor



Prisma

Financial Contributor

Total contributions
€1,600 EUR
Sponsor



Lumeo

Financial Contributor

Total contributions
€800 EUR
Sponsor



Chris Bruce

Financial Contributor

Total contributions
€500 EUR
Sponsor



in

Financial Contributor

Total contributions
€

[Mac](#)[iPad](#)[iPhone](#)[Watch](#)[TV](#)[Music](#)[Support](#)

Jobs bei Apple

[Über Apple](#)[Teams](#)[Apple Retail](#)[Studierende](#)[Profil](#)[Anmelden](#)[Suchen](#)

Software Engineer- Networking/Privacy-

Berlin, Berlin, Germany
Software and Services

[Lebenslauf senden](#)[← Zurück zu den Suchergebnissen](#)

Summary

Posted: **Aug 18, 2020**

Weekly Hours: **37.5**

Role Number: **200170723**

Do you have a passion for developing secure, performant systems-level software? We develop and deploy software which forms the foundation for some of Apple's most important services, including iCloud, Maps, iTunes, and more. Our software ensures that Apple's services are reliable, scalable, fast, and secure. In this role you will have a unique opportunity to participate in delivering some of the world's largest-scale cloud services.

Key Qualifications

- - 3-5 years experience with C.
- - Experience with Rust desirable and a huge plus
- - Working experience with low-level networking.
- - Expertise with Unix-type operating systems.
- - Clear communication skills.

Rust: за какво се използва?

Rust: употреба

- Системно програмиране (Redox, coreutils)
- Embedded програмиране



FerrousSystems
@FerrousSystems



Our first Knurling Session starts today! Come join us over the next three months to build an [#embedded @rustlang](#) CO2 sensor based on [@NordicTweets](#) and [@sensirion](#) parts!

This material will become available for sponsors to preview today, and later public!



Learning Embedded Rust with Knurling-rs
Ferrous Systems is a Berlin based Rust Consultancy
ferrous-systems.com

2:42 PM · Oct 2, 2020 · TweetDeck

[Schedule](#)[impl days](#)[Buy Tickets](#)[Oxidize 1K](#)[Oxidize 2020](#)[Accessibilty](#)

OXIDIZE GLOBAL

JULY 17-20, 2020

Online

Embedded Systems and IoT in Rust. Online. Around the Globe.

One day of guided workshops for developers looking to start or improve their Embedded Rust skills, one day of talks by community members, and a two day development session focused on Hardware and Embedded subjects in Rust.

[Purchase access on Crowdcast](#)[Chat and Community instructions](#)

Rust: употреба

- Системно програмиране (Redox, coreutils)
- Embedded програмиране
- Уеб, server-side (Actix-web, Diesel, SQLx)

↑
131
↓

Posted by u/Es_Impero 18 days ago

Rust fullstack developer - Denmark or remote (Denmark, Germany or France)

[Impero](#) is a compliance company: we deliver a cloud-based solution to help companies across the world comply with existing regulations and facilitate audits.

We are looking for a Rust developer to join our team. We have started an incremental rewrite of our product in Rust, and we need someone with a strong backend experience to help us with this. It is an opportunity to take part in the design of our internal and external APIs, and deliver the best experience to our customers.

Location: Aarhus, Denmark, or remote (citizens or foreign nationals with valid work permit in Denmark, Germany or France).

More details on the [job offer page](#).

75 Comments Give Award Share Save Hide Report

93% Upvoted

About Community



r/rust

A place for all things related to the Rust programming language—an open-source systems language that emphasizes performance, reliability, and productivity.

114k

Rustaceans

725

Online

Created Dec 2, 2010

JOIN

CREATE POST

Rust: употреба

- Системно програмиране (Redox, coreutils)
- Embedded програмиране
- Уеб, server-side (Actix-web, Diesel, SQLx)
- Уеб, client-side (**wasm**, stdweb, yew)



Thread



Solomon Hykes

@solomonstre



If WASM+WASI existed in 2008, we wouldn't have needed to created Docker. That's how important it is. Webassembly on the server is the future of computing. A standardized system interface was the missing link. Let's hope WASI is up to the task!



Lin Clark @linclark · Mar 27

WebAssembly running outside the web has a huge future. And that future gets one giant leap closer today with...



Announcing WASI: A system interface for running WebAssembly outside the web (and inside it too)

hacks.mozilla.org/2019/03/standa...

[Show this thread](#)

10:39 PM · Mar 27, 2019 · [Twitter Web Client](#)

701 Retweets 1.7K Likes

Rust: употреба

- Системно програмиране (Redox, coreutils)
- Embedded програмиране
- Уеб, server-side (Rocket, Diesel)
- Уеб, client-side (**wasm**, stdweb, yew)
- Networking, async stuff (Tokio)
- Обработка на данни
- Tooling (ripgrep, xsv, fd, sd, rawk)
- Parser-и (rust-analyzer, salsa, parcel)
- Игри (ggez, godot, bevy, SHAR)



22 Comments



1 2 3



Stich 30 Mar @ 9:34pm

Молодцы! Rust рулит!!!

Rust: откъде идват хора?

- Ruby, Python – скорост, статично типизиране
- Haskell, Scala – подобно типизиране
- C/C++ – безопасност, съвместимост
- Отворен процес: [The Rust Foundation](#)

?

Предупреждения

- Млад език
- Труден (за научаване, не за използване) език
- Иска време

Предупреждения

*“На Go-то, с 2 часа седмично, накрая се чудехме
за какво да говорим...”*

ама на вас може да не ви стигне времето.”

(Note: стигна ни)

Административни неща

- Домашни: $4 \times 15 = 60\text{т}$ (може би)
 - Проект: $1 \times 60 = 60\text{т}$
 - + разни бонуси: предизвикателства, въпроси и отговори
-
- 60т: 3
 - 75т: 4
 - 90т: 5
 - 105т: 6

Административни неща

- Онлайн: <http://video.fmi.rust-lang.bg>
- Има парола, видима в dashboard-a
- Дни: вторник и четвъртък
- Време: 19:15 – 21:00
- Ще има видео записи в секция “Материали”

Да идвате ли на лекции?

- Накратко: Да
- Ако се налага, гледайте видеото
- **Задължително** започвайте домашните отрано

Административни неща

- Discord: <https://discord.gg/FCTNfbZ>
- Снимки и имена
- Лекции, домашни, парола за видеото (регистрирайте се):

<https://fmi.rust-lang.bg>

Ако още не сте зарибени

- Кратко интро към езика от OpenFest 2017 (spoilers!): <https://youtu.be/GJfFOWv2bAg>
- Малко по-advanced, предимно за static typing: <https://youtu.be/qfyhzwYWVn8>

Ако искате да пробвате

- Най-лесния начин: <https://play.rust-lang.org/>
- За да си го инсталирате локално:
<https://2017.fmi.rust-lang.bg/topics/1>
- Очаквайте компилационни грешки :)

?