

# Getting to Know Rust

This lesson discusses what Rust is and provides a brief history.

## We'll cover the following ^

- Rust: A History
- What Is Rust?
- Rust Stats
- What Is Rust Used For?
- Who Is Using Rust?

## Rust: A History #

- A *Mozilla* employee, Graydon Hoare, started working on a language as a personal project.
- Later, *Mozilla* sponsored the project in 2009 and announced it in 2010.
- The first stable release was on *May 15, 2015*.

## What Is Rust? #

Rust is a *system programming* language that is safe and concurrent.

It is inspired by many languages:

- **System Programming Languages :**  
(C, C++)

In terms of syntax and performance.

- **Functional Programming Languages :** (Haskell, Erlang, Meta Language)



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In terms of syntax only.

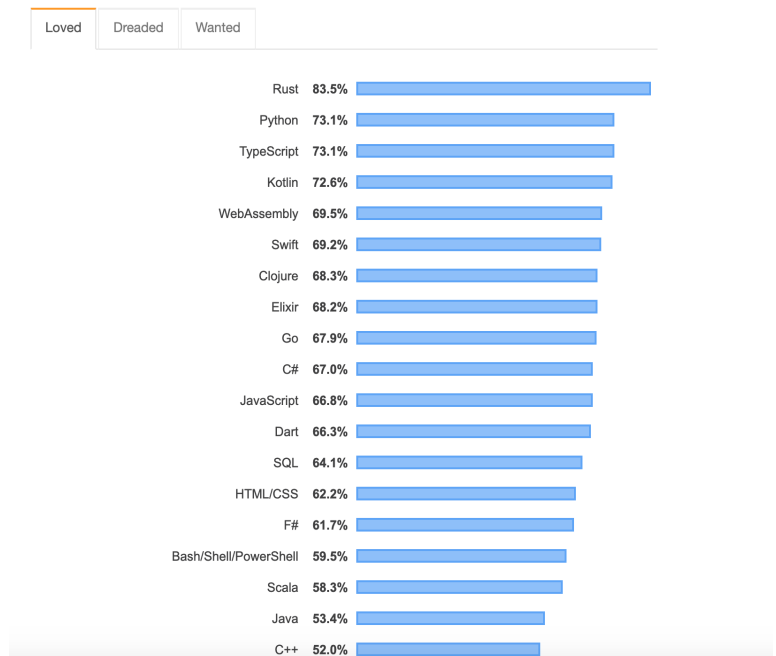
## Rust Stats #

According to a **2019 Stack Overflow developer survey**, Rust has been the most loved language for four consecutive years.

### Top 5 most loved languages:

- **Rust: 83.5%**
- Python: 73.1%
- TypeScript: 73.1%
- Kotlin: 72.6%
- WebAssembly: 69.5%

Most Loved, Dreaded, and Wanted Languages



## What Is Rust Used For? #




Rust is fit for:

- building powerful web applications
- embedded systems programming
- building distributed online services
- cross-platform command line support

## Who Is Using Rust? #

- Rust is used in **production and building apps** by many [companies](#).

The famous among these are:

- Dropbox 
- Atlassian 
- Amazon's Firecracker  Firecracker

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What makes Rust different? Let's learn this in the next lesson.

*Or, you can go back to the [Learn Rust from Scratch](#) course homepage.*