



**Rust
Foundation**

Annual Report 2022

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Foreword

The Rust Foundation was created just two years ago with an ambitious mission. We've supported and grown the Rust Project and community, while also transitioning them from a single sponsor to a cross-industry, global collaboration of forty different corporations representing every size and sector. It has absolutely been a case of "building a plane while flying it." In our first year, we made investments in fundraising and staffing that we turned into our stable foundational structures this year.

We started 2022 with just one employee: Executive Director and CEO, Dr. Rebecca Rumbul ('Bec'), a list of programs we'd funded but not defined, and many more big ideas about the future of the Rust Foundation. The progress we've made since then has been incredible! We're ending year two of the Rust Foundation with a fully operational executive staff whose work has already resulted in the recognition of our organization as an industry leader and trusted partner of established corporations and non-profits.

Government and industry best practices, plans, and policies for supply chain security included a focus on Rust in 2022. As we were forming our strategy and identity this year, we were also taking an important seat at the table for our community that will create many more opportunities for collaboration and growth in the future.

The Rust community is more than 2 million developers today – building with nearly 100,000 crates. The Rust project has more paid maintainers than ever before, and Rust conferences are happening around the globe

throughout the year. With the support of 40 corporations at the Rust Foundation, Rust maintainers now have access to free cloud compute, grants for their work and events, and full time, paid staff for infrastructure support and maintenance.



Despite how much we've achieved, we still have much more to accomplish in the years ahead. Scaling our relationships across so many stakeholders has been challenging, and we will continue investing and experimenting with improvements to communication and collaboration. We'll also be making big investments in supplementing the Rust maintainers' work with support for security, operations, and education that deliver the stability and accessibility drawing developers to the Rust programming language.

The Rust Foundation has established itself as the platform for collaboration that creates a great experience for everyone. We are building technology and community that will outlast us all.

Shane Miller
2021–2022 Rust Foundation Board Chair

Mission & Leadership

Our Mission is for global computer systems to be more secure, efficient, and performant through the use of the Rust programming language.

We are dedicated to accomplishing this objective by stewarding the Rust language, supporting Rust communities worldwide, and investing in present and future Rust talent.

2022 Board of Directors

Shane Miller

2021–2022 Chair

Lars Bergstrom

Member Director, Google

Stephen Chin

Member Director, JFrog

Eric Garcia

Member Director, Meta

Bobby Holley

Member Director, Mozilla

Peixin Hou

Member Director, Huawei

Ryan Levick

Rust Project Director, Core

Jane Lusby

Rust Project Director, Collaboration

Tyler Mandry

Rust Project Director, Quality

Seth Markle

Member Director, AWS

Nell Shamrell-Harrington

Member Director, Microsoft

Josh Stone

Rust Project Director, Reliability

Mark Rousskov

Rust Project Director & Secretary, Core

Andy Wafaa

Silver Member Representative & Treasurer

2022 Foundation Team

Rebecca Rumbul

Executive Director & CEO

Abi Broom

Operations Manager

Jan David Nose

Infrastructure Engineer

Gracie Gregory

Director of Communications & Marketing

Sage Griffin

Communities Advocate

Joel Marcey

Director of Technology

Paul Lenz

Director of Finance & Fundraising

Milestones At-a-Glance

Since our formation, we have...

Welcomed

7 Platinum Members
28 Silver Members
1 Gold Member



Received

\$907,594 USD in cloud
compute support.



Accepted

\$4.58 million USD from our
Members & other orgs interested
in the development of Rust.



Awarded

\$710k in grants to support
the maintainers governing
and building the Rust Project.



Launched

The Community Grants
Program and awarded \$411k
in funding to support Rust maintainers &
community projects as of November 2022.



Hired

7 full-time Foundation
team members.



Hosted

3 virtual Ask-Me-Anything
sessions.



Sponsored

4 Rust community events.



...and we're just getting started!

2022 Project Director Spotlight

Rust Foundation Project Directors serve as the board's technical advisors and representatives of the Project. Without the hard work, dedication, and significant investment of time on behalf of the Project Directors in 2021 & 2022, the Rust Foundation would not have been able to establish itself as a committed and proactive foundation designed to support the Rust programming language and the communities of maintainers developing it.

The Rust Foundation would like to thank our 2022 Project Directors for their time, leadership, & advocacy of the needs and interests of the Rust Project.

Tyler Mandry

Project
Director,
Quality



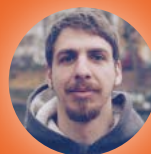
Mark Rousskov

Board Secretary
& Project
Director,
Core



Ryan Levick

Project
Director,
Core



Josh Stone

Project
Director,
Reliability



Jane Losare-Lusby

Project
Director,
Collaboration



Additionally, we would like to thank Florian Gilcher for serving as a Project Director through February 2022.

Since our inception, the Rust Foundation's Project Directors have been an integral part of our ongoing work to positively impact the experiences of Rust community members & maintainers.

As these terms last two years, we're excited to work with both new and re-elected Project Directors in 2023.

The Rust Foundation would also like to congratulate the Rust Project and community for all of their hard work in 2022. To review the major Rust Project developments in 2022, please visit the official Rust Programming Language Blog at blog.rust-lang.org.

Member Director Spotlight

Rust Foundation Member Directors sit on our board as active representatives of the Member organizations that employ them. By fulfilling this necessary leadership role and collaborating with Rust Foundation Project Directors on a monthly basis, they support the professionalization of the Rust language and vote on important motions that affect the work carried out by the Foundation. Without their participation and generous support over the past two years, we would not have been able to develop, fund, and shape and the important programs described in this report.

The Rust Foundation would like to thank our 2022 Member Directors for their effort, guidance, & representation of our generous member organizations.



Lars Bergstrom

Member Director,
Google



Stephen Chin

Member Director,
JFrog



Eric Garcia

Member Director,
Meta



Bobby Holley

Member Director,
Mozilla



Peixin Hou

Member Director,
Huawei



Seth Markle

Member Director,
AWS



**Nell
Shamrell-
Harrington**

Member Director,
Microsoft



Andrew Wafaa

Treasurer,
Silver Member Rep

2022 Member Overview

Our Members

In 2022, the Rust Foundation was thrilled to call the following organizations our Members:

Platinum Members



Gold Members

Shopify

Silver Members

1Password

Arm

Automata Labs

Dropbox

Embecosm

Ferrous Systems

Futurewei Technology

Grafbase

Keyrock

Klarälvdalens Datakonsult

Knoldus

Mainmatter

Matter Labs

Open Source Security, Inc.

ParaState Foundation

Sentry

SixtyFPS

Spectral

Tabnine

Tag1

Techfund

Threema

Toyota Connected

TSY Capital Limited

Tweede golf

Watchful

Wylodrin

Zama

We thank our Member organizations for their generous commitment to the advancement of the Rust programming language and its community.

If your organization is interested in becoming a Rust Foundation Member, please contact us at membership@rustfoundation.org

Spotlight on Members' Rust Accomplishments

Rust Foundation Members demonstrate a commitment to the Rust programming language's maintenance, development, and accessibility to the wider world.

Our membership structure is broken into Platinum, Gold, and Silver tiers – listed in order of investment. Our Members benefit from direct collaboration with Rust Project leaders over Foundation-led initiatives, amplification of their Rust stories on official Foundation social media channels, the knowledge that they are directly supporting the Rust community, and more.

In addition to supporting the work of the Rust Foundation, many of our Members' engineering teams use Rust in-production, demonstrating its utility and versatility daily. We regularly promote these Member stories on our official blog.

Here's a look at a few of our Members' recent Rust accomplishments...

"We are making big investments in Rust, which powers Pysia, our new open source supply chain security project. Joining the Rust Foundation is yet another way we can help to grow this amazing language ecosystem."

STEPHEN CHIN, VP OF DEVELOPER RELATIONS @ JFROG (PLATINUM MEMBER)



"With 1Password 8, we're taking an entirely new approach to [user security solutions], empowered by a cross-platform core framework written entirely in Rust. This core framework contains our business logic, view model code, and, most critically, our data model and secrets management."

JANE LEWIS, SOFTWARE DEVELOPER @ 1PASSWORD (SILVER MEMBER)



"Using Rust for our NTP implementation means that the client we build is memory safe. We don't do many allocations, but we can be confident that we'll have no segfaults, buffer overflows or memory leaks ever. The same is true for anyone building on top of our implementation."

FOLKERT DE VRIES, EMBEDDED SOFTWARE ENGINEER @ TWEED GOLF (SILVER MEMBER)



Read more stories about how Rust Foundation Member organizations are using Rust in production @ foundation.rust-lang.org/news

2022 Finance Report

Summary & Context

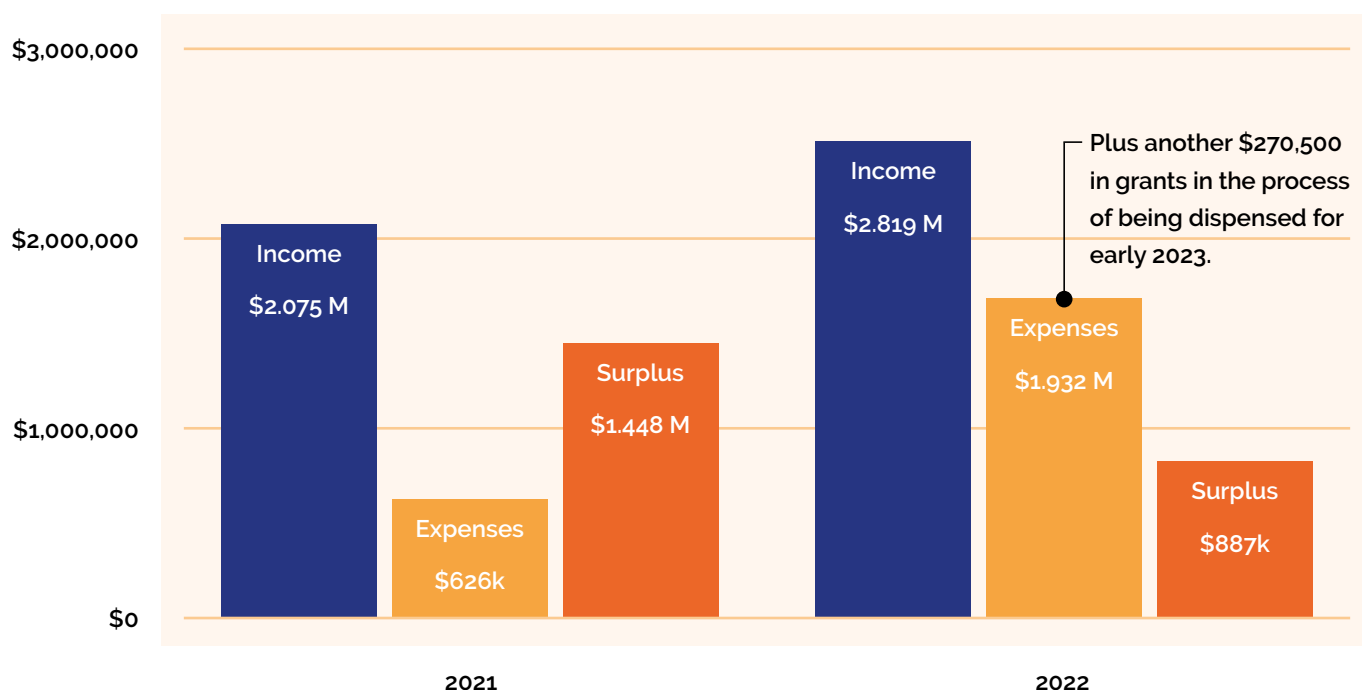
In 2021, we received significant funding from founding members and organizations interested in supporting the Community Grants Program and we got straight to work sharing the early milestones of the Foundation with the world.

In 2022, we gained a full-time staff, which allowed us to execute on much of the work that defines our mission. We were able to hit the ground running with a number of important initiatives under the direction of Dr. Rebecca Rumbul — who came aboard as Executive Director & CEO in Q4 of 2021.

In 2022, our team also created important legal and administrative processes, moved our finance and membership management services in-house, made use of the generous funding we received the year before through the development of new initiatives, expanded membership, and continued our fundraising efforts to great success.

Thank you to all our Members and supporters in 2021 and 2022. Your contributions to the Rust Foundation helped us establish ourselves as a key steward of the Rust language and grow our impact to serve the next chapter.

Income, Expenditure, & Surplus Comparison



Notes: Figures in the report have been rounded up to the nearest thousand. A significant amount of our 2022 surplus will be funding work in 2023.

2022 Finance Report

Expenditure Breakdown

2021



2022



2022 Finance Report

Monetary Donations and Cloud Compute Support

Support of the Rust Foundation is not limited to our members. In fact, the Rust Foundation and the Rust language benefit tremendously from generous non-member donations and in-kind support, both of which help us fund a number of critical services and programs such as our cloud compute expenses, Community Grants Program, and Security Initiative. The figures below do not represent membership fees.

Since 2021, we have received...

\$1.2 million USD in monetary donations & grants from the following organizations:



Cloud Compute donations with a value of **\$907,594 USD** from the following organizations:



The Rust Foundation would like to express its sincere appreciation to all the organizations that have supported us over the last two years.

If your organization would like to learn more about making an impact in Rust with monetary or in-kind donations to the Rust Foundation, please get in touch with us at contact@rustfoundation.org

Security Initiative Spotlight

In 2022, the Rust Foundation has received over \$460k USD in funding from the OpenSSF's Alpha-Omega project & in-kind support from Rust Foundation Platinum Member JFrog in service of our new Security Initiative.



The support we received for our Security Initiative in 2022 has enabled us to begin the hiring process for a dedicated, full-time Security Engineer, plus work with JFrog's in-house Security Researchers.

The Rust Foundation Security Engineer will work closely with Rust Project leadership to help conduct a Rust language security audit and threat model, identify areas for security improvement within the Rust Project, and help define best security practices.

Thanks to the support we received for the Security Initiative in 2022, we expect to hire 1–2 full-time engineering team members to support this important work in 2023 and beyond.

We believe that this funding will provide timely and critical security support to help meet the growing popularity and demand for Rust, ensuring that Rust continues to deliver on its promises to be secure, safe and sustainable.

Thank you to AWS, OpenSSF Alpha-Omega, & JFrog for their generous support of security within the Rust ecosystem!



Community Grants Program Spotlight

The Community Grants Program is a cornerstone initiative at the Rust Foundation with goals of providing financial and practical support for existing talent in the Rust ecosystem, growing the impact of the work of maintainers, and creating wider opportunities for those passionate about Rust.

We launched the Community Grants Program in 2022 and received a budget of \$671K USD, thanks to support from AWS, Huawei, Google, and a number of additional donations by other generous organizations.

For our 2022 Community Grants Program cycle, the Rust Foundation received 215 applications across both rounds with a 55% increase in applications to the second round. We awarded a total of 20 Fellowships, 19 Project Grants, 2 Hardship Grants, and 2 Event Support Grants.

The grants we have awarded thus far total \$411K USD. After a second Project Grants application round in October 2022, we were able to allocate the remaining funds we received to support this program. 2023 Project Grants will be announced in January.

“As a Rust Foundation grantee, I’ve been able to pour more time into the Rust ecosystem, which has boosted my confidence and made me fall even more in love with the language [...] The Community Grants Program feels like home.”

OĞUZ AĞCAYAZI
(RUST FOUNDATION FELLOW)

To learn more about the Community Grants Program, our grantees, and how you can support the program, please visit foundation.rust-lang.org/grants

Closing Remarks

Looking back over the last year, I am delighted and humbled by how much the Rust Foundation has achieved.

We began 2022 with lots of ideas, the support of a committed and talented Board of Directors, and a modest budget to get started. With those things, we have created a proactive, well-resourced and ambitious organization capable of developing impactful programs, supporting Rust's critical infrastructure, and investing in the Rust communities around the world. In 2023, we hope to consolidate our work in key existing areas, iterate on programs that have gone well, and innovate in supporting new streams of work in support of the Rust language and landscape.

Security in OSS has become a prominent global concern, and our work in securing Rust next year will be amplified through the Security Initiative. We also have the challenge of supporting a steadily growing global

community of Rust users, contributors and maintainers. We want to ensure that the right support structures and resources are in place to facilitate Rust's growing popularity.

I am excited for our program of work for 2023, and look forward to working with all of our amazing partners to deliver more good things for Rust!

Thank you for helping us make this year at the Rust Foundation a success!



Rebecca Rumbul

Executive Director & CEO of the Rust Foundation





**Rust
Foundation**

**For more information on the Rust
Foundation, please visit our website at
foundation.rust-lang.org**

**To inquire about membership, please email us at
membership@rustfoundation.org**

**For general questions, please email us at
contact@rustfoundation.org**