



# Hyperledger Mentorship Onboarding

June 8, 2022

**Welcome - Mentors and Mentees 2022 Cohort!**



**HYPERLEDGER**  
FOUNDATION  
**Mentorship Program**

Investing in and training future Hyperledger open source developers and leaders

# Agenda

- Hyperledger Foundation and Hosted Projects
- Mentorship Program Goals
- 2022 Mentor/Mentee Cohort
- Participating in Open Source Project/Community
- Mentoring and Learning Expectations
- Raising Profile and Visibility
- Key Program Dates and Logistics



# Hyperledger Foundation Goals

## Hyperledger Foundation Goals



**Provide a neutral, open community** around enterprise blockchain supported by technical and business Governance



**Foster the development and adoption** of cross-industry platforms powered by distributed ledgers



**Educate the public** about the market opportunity for business blockchain technology

[Review Hyperledger Foundation Overview White Paper](#)



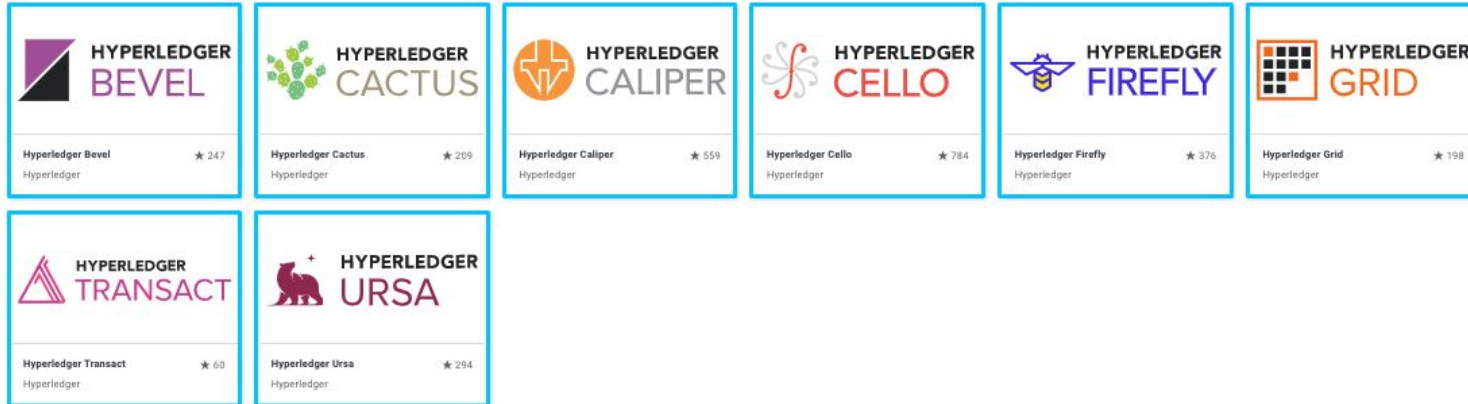
**HYPERLEDGER**  
BLOCKCHAIN TECHNOLOGIES FOR BUSINESS

# Hyperledger Foundation Hosted Projects

## Graduated Hyperledger Projects (6)



## Incubating Hyperledger Projects (8)



# Mentorship Program Goals

- To connect new developers eager to learn with experienced developers interested in teaching/coaching
- To provide structured guided hands-on learning opportunities for new open source developers and researchers
- To help mentees learn and enhance technical skills, and to inspire and guide them towards becoming long-term active contributors.
- To coach how to participate effectively in open source community (collaborative culture, tooling, infra, etc.)
- To create a pipeline to a diverse, well-educated developer pool and to strengthen Hyperledger projects and community
- To gain valuable insight into new developer onboarding processes and how to lower the barriers to entry



# Mentor and Mentee Cohort 2022

Project Name	Relation to Hyperledger	Mentors	Mentee	Mentee Country
<a href="#">Automated Fault-Tolerant HTLC for Cross-Chain Atomic Asset Exchange</a>	Weaver	Venkatraman Ramakrishna, Krishnasuri Narayanam, Dhinakaran Vinayagamurthy, Sandeep Nishad	Francis Mendoza	US
<a href="#">Blockchain Network Operation in a Decentralized Way</a>	Cello	Baohua Yang, Yang Feng, Shihong Zhao, Qiang Xu	Xichen Pan	Canada
<a href="#">Chia Connector for Hyperledger Cactus</a>	Cactus	Peter Somogyvari	Miklós Dániel	Hungary
<a href="#">Client Connector for Hyperledger Besu (Ethereum)</a>	Besu	Arun S M, Rahul Batra	MIHIR MEHTA	India
<a href="#">Cross-Chain State Modelling and Analysis</a>	Besu, Fabric, Cactus	Rafael Belchior, Rui Cruz, Peter Somogyvari	Akanksha Dixit	UK



# Mentor and Mentee Cohort 2022

Project Name	Relation to Hyperledger	Mentors	Mentee	Mentee Country
<a href="#">Demonstrate Interoperability using Hyperledger Bevel and Cactus</a>	Besu, Fabric, Cactus	Kamlesh Nagware, Sownak Roy, Jagpreet Singh Sasan	Praveen Chary	India
<a href="#">Deploy Carbon Accounting Network with Bevel</a>	Carbon-Accounting, Bevel, Fabric, Besu	Si Chen, Suvajit Sarkar, Kamlesh Nagware	Aditya Joshi	India
<a href="#">Developer Marketing</a>	all Hyperledger projects	Ben Thomas	TBD	TBD
<a href="#">DRman : Utility to provision and administer DID based Verifiable credential registries for Hyperledger Aries framework</a>	Ursa, Aries, etc...	Vinod Panicker, Arun Prakash Jothiman, Wei Yao	Daev Mithran	India
<a href="#">Support NFT standards in Weaver for cross-network asset operations</a>	Weaver	Dhinakaran Vinayagamurthy, Venkatraman Ramakrishna, Krishnasuri Narayanam, Sandeep Nishad	Micky Yun Chan	Hong Kong





# Mentor and Mentee Cohort 2022

Project Name	Relation to Hyperledger	Mentors	Mentee	Mentee Country
<a href="#">Ecosystem Analyst</a>	all Hyperledger projects	Karen Ottoni, Tomaz Sedej	Patrick O'Connor Read	UK
<a href="#">Enable Kubernetes Operators support for Fablo</a>	Fabric, Fablo	Piotr Hejwowski, Jakub Dzikowski	Umegbewe Nwebedu	Nigeria
<a href="#">Expand Minifabric with k8s operator support</a>	Fabric, Minifabric, Operations Console	Tong Li	Asebot Abebe	US
<a href="#">Extend existing Iroha - Cactus Integration</a>	Iroha, Cactus	Peter Somogyvari, Grzegorz Bazior	Yashraj Desai	India
<a href="#">Fabric-Ethereum token bridging</a>	Fabric, Cactus	Imre Kocsis, László Gönczy,	André Augusto	Portugal

# Mentor and Mentee Cohort 2022

Project Name	Relation to Hyperledger	Mentors	Mentee	Mentee Country
<a href="#">GVCR: Secure Verifiable Credential Registries (VCR) for GitHub &amp; GitLab</a>	Aries, Indy, Ursa	Vinod Panicker, Arun Prakash Jothimani, Wei Yao	Sarvesh Shinde	India
<a href="#">Hyperleger Cactus and Hedera Hashgraph Integration</a>	Cactus	Danno Ferrin, Peter Somogyvari	Jande Shater	Nigeria
<a href="#">Identity Mixer Support for both Fabric Gateway SDK for Java and Fabric Gateway Client API for Java</a>	Fabric	Kamlesh Nagware	Kavin Arumugam	India
<a href="#">Implement iroha-cpp library for Hyperledger Iroha 1</a>	Iroha	Grzegorz Bazior, Piotr Pawłowski	Andrzej Gruntowski	Poland
<a href="#">Learning Tokens</a>	Fabric, Indy, Aries, Besu, eThaler, and NEFERTI	Alfonso Govela	Jose Marvin Henríquez Alfaro	El Salvador

# Mentor and Mentee Cohort 2022

Project Name	Relation to Hyperledger	Mentors	Mentee	Mentee Country
<a href="#">Making chaincode fault tolerant software</a>	Fabric	Imre Kocsis	Bahareh Lashkari	Canada
<a href="#">Multiple Data Integration to Fabric Climate Accounting Network</a>	Carbon Accounting, Fabric, Cactus, Besu	Si Chen, Bertrand Rioux	Achintya Kumar	India
<a href="#">One-stop shop for all-things Hyperledger</a>	all Hyperledger projects	Arun S M, Kamlesh Nagware, Vikram Sharma	Niku Singh	India
<a href="#">Optimising the pipelines using Github Actions for Caliper and Caliper-Benchmarks</a>	Caliper	David Kelsey	Rinish Sam	India
<a href="#">Privacy-preserving federated learning framework based on Hyperledger Fabric and Hyperledger Aries</a>	Fabric, Aries, Indy	Sara Rouhani, Vahid Pourheidari, Rui Pan	Hamid Fazli Khojir	Canada



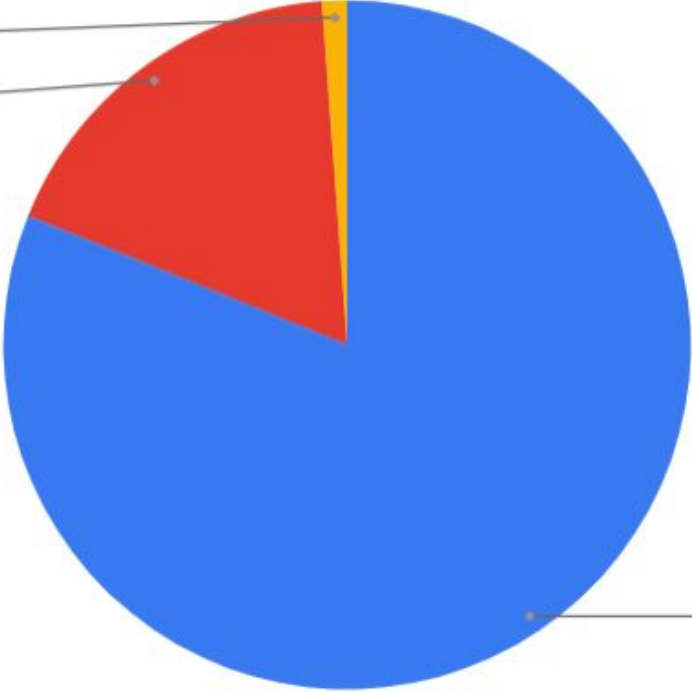
# Mentor and Mentee Cohort 2022

Project Name	Relation to Hyperledger	Mentors	Mentee	Mentee Country
<a href="#">SLA Self-Assessment with Hyperledger Fabric</a>	Fabric	Nikos Kapsoulis	Ravi Pratap Singh	India
<a href="#">Solang Solidity Compiler optimizations and error handling</a>	Solang	Sean Young, Lucas Steuernagel	Salaheldin Soliman	Egypt
<a href="#">Technical Deep Dive Workshop Content Creation for Hyperledger Cactus</a>	Cactus	Rafael Belchior, Peter Somogyvari	Abhinav Srivastava	India
<a href="#">Upgrade Fabric network from 1.4.x to 2.2.x using Hyperledger Bevel</a>	Bevel, Fabric	Sownak Roy, Jagpreet Singh Sasan	Mohit Vaish	India
<a href="#">Visual Studio Code support for Hyperledger Caliper artifacts</a>	Caliper	Attila Klenik	Eravatee Raje	US

# Mentee Applicant Statistics - Gender

Count of Gender

IDonotWantToProvide  
1.2%  
female  
17.7%

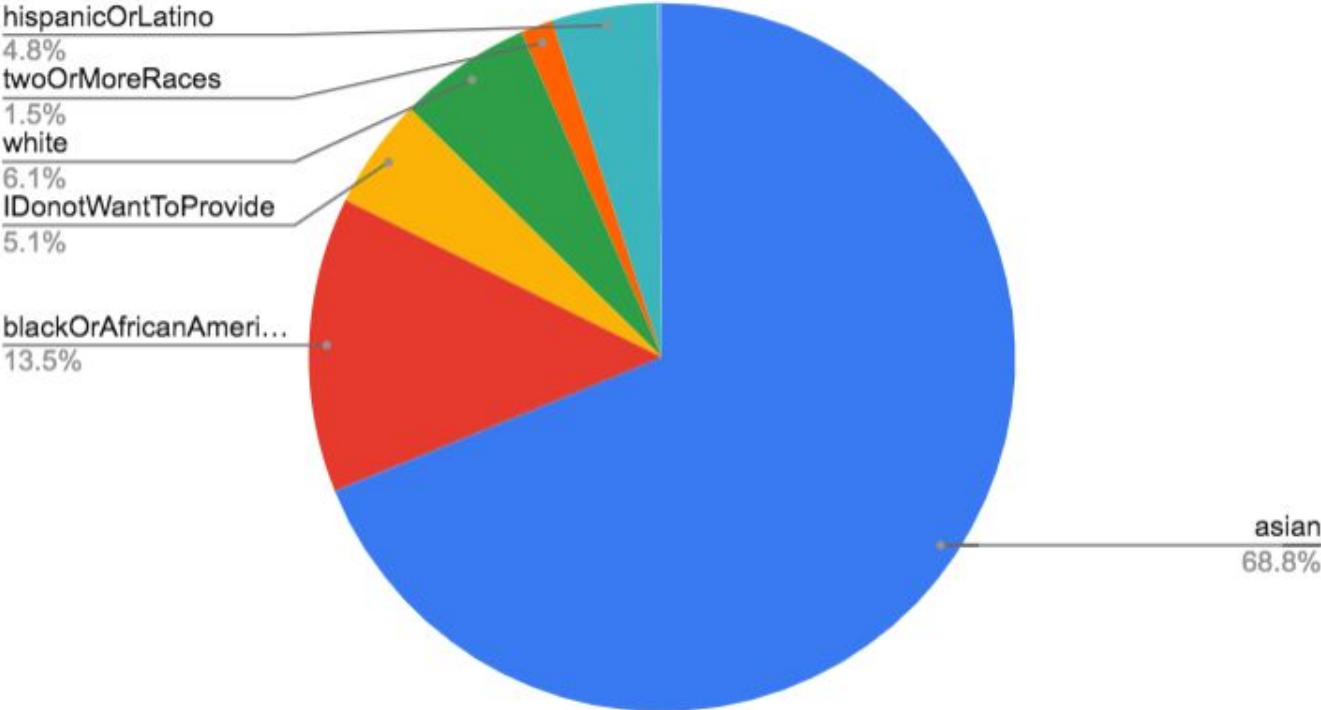


male  
81.1%



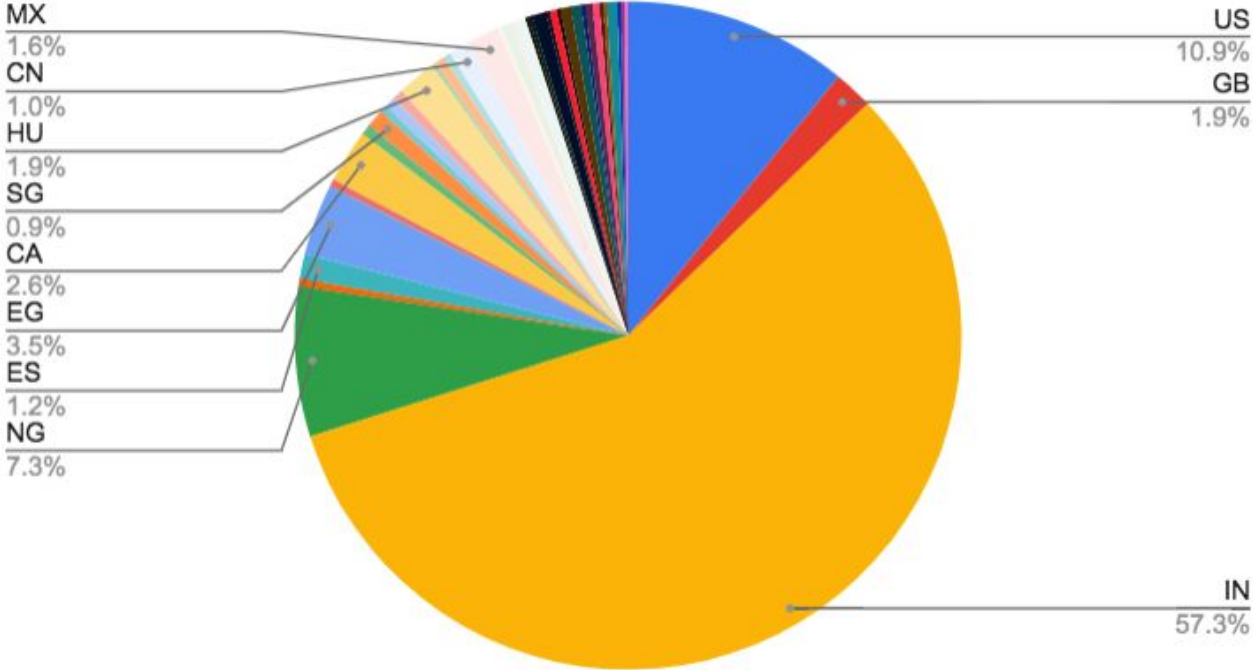
# Mentee Applicant Statistics - Race

Count of Race



# Mentee Applicant Statistics - Country

Count of Country



A person is shown from the side, writing in a spiral notebook with a pen. The scene is overlaid with a semi-transparent green filter. In the foreground, there is a white coffee cup on a saucer and a laptop keyboard. In the bottom right corner, there is a stylized network diagram with green lines and nodes.

# Participating in an Open Source Community



# Open Source Culture - Be Excellent to Each Other

- Open source development is truly global. Participants come from all cultures, all languages, all time zones. Diversity leads to better outcomes, bigger innovations, and more sustainable projects.
- Asynchronous in nature. Most collaboration is done via email, forum posts, mailing lists, and pull requests.
- Cooperation and consensus building is the ***greatest challenge***. Respect others' opinions. Maybe your approach is not the best one. Learn when to yield. When making criticisms or engaging in any discussion thread, be polite and respectful.



Many mentees haven't been involved in an open source project before it can be overwhelming/intimidating to start participating.

## Here are some tips to help you get comfortable:



### Feel free to lurk

Seeing how mentors and other community members interact will help mentee adjust and learn the social norms in the community



### Don't wait for an invitation

Our tools and meetings are open by default, so feel free to jump in and introduce themselves, ask questions and share ideas



### Read our Code of Conduct

Be sure to review with your mentee as well as to model the high standards of professional practice.



The background of the image is a workshop filled with various tools, including hammers, wrenches, and saws, arranged on shelves and hanging on a wooden wall. The entire scene is overlaid with a semi-transparent blue filter. In the bottom right corner, there is a white network diagram consisting of several circular nodes connected by thin lines, forming a complex web-like structure.

# Learn the Basics About our Tools

# [hyperledger.org/participate/collaboration-tools](https://hyperledger.org/participate/collaboration-tools)



## Account

Sign up for a Linux Foundation account



## Chat

Join the discussion on chat



## Mailing Lists

Participate on the Hyperledger Mailing Lists



## Github

Check out our code repositories



## Wiki

Get the latest development updates from the wiki

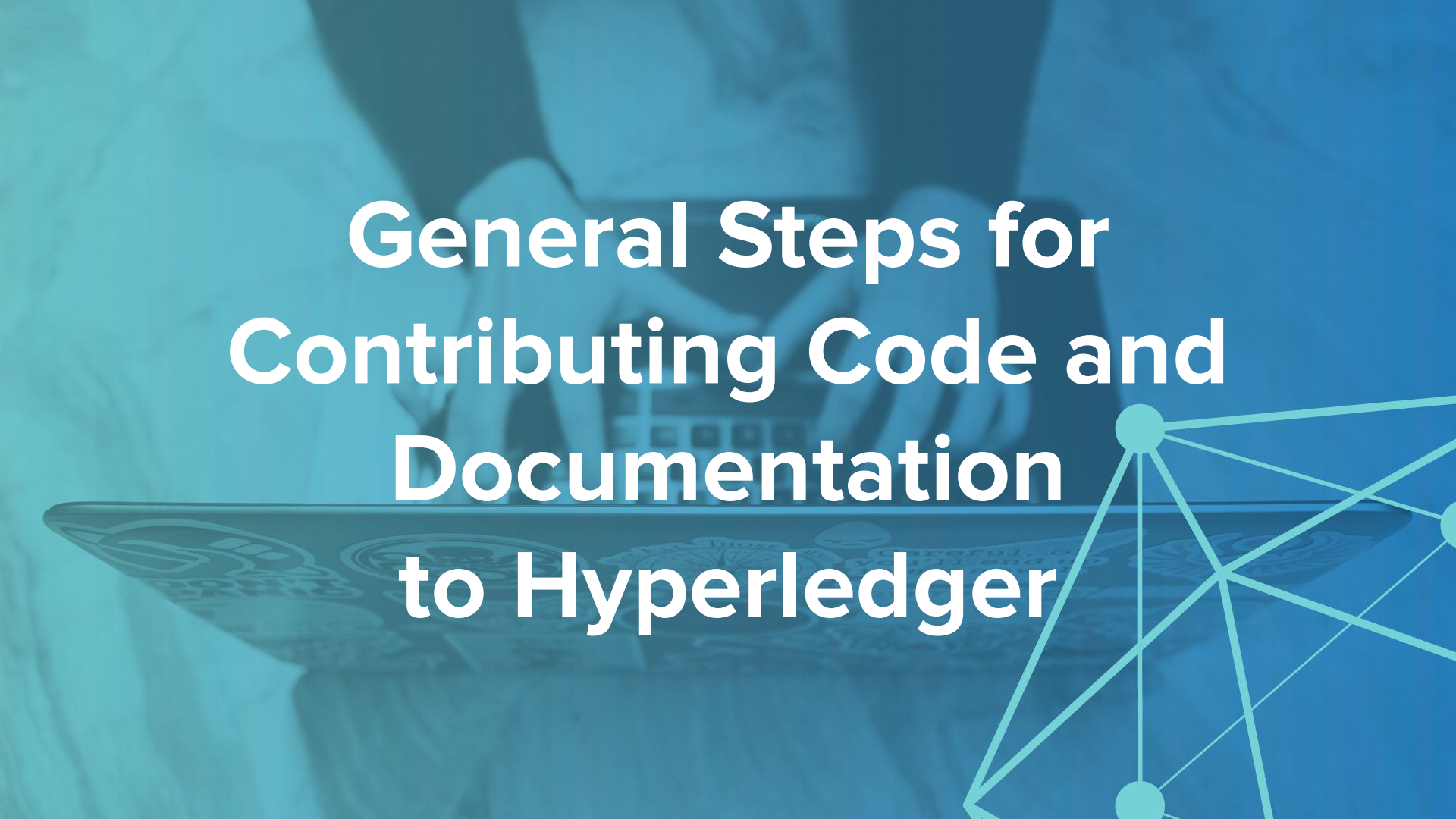


## Bug Reporting

Search for open bugs, or report a new one, in our bug database



# General Steps for Contributing Code and Documentation to Hyperledger

The background of the slide features a teal-tinted image of a person's hands holding a laptop. Overlaid on the right side of the image is a network diagram consisting of several teal circular nodes connected by thin teal lines, representing a distributed network structure.

# Contribute Code to an Existing Project

1

**CONTRIBUTING**  
guides

2

Get a copy of  
the **repository**

3

Find the **issue**  
you wish  
to work on

4

Make your  
**changes**

5

Create a **pull**  
**request**

6

**Expect**  
comments

7

**Address**  
comments



# Mentoring and Learning Expectations



# Project Planning

Project planning clarifies objectives, scope, milestones and deliverables, it helps break down complexity, focus time and effort, meet deadlines and keep stakeholders in the loop.

- Essential elements of a project plan
  - State the project objective, due date, key outcomes and success metrics
  - Map out project scope - what it entails and what it doesn't
  - Plan activities, milestones, and timeline - use the program schedule to set milestones to monitor progress
  - Include reference materials
- Collaboratively develop project plan in the next 1.5 weeks
- Post project plan on wiki by **June 20** for transparency and accountability
- Project plan can be refined/modified as things progress
- Sample project plans

<https://wiki.hyperledger.org/display/INTERN/Project+plan+-+Solang+compiler+passes+2021>





# Working and Collaborating Virtually

Being intentional about how you spend your time and how you communicate, you can work and collaborate effectively, even at a distance.

- Establish routine, minimize distractions, effectively manage time
- Set mini (daily or weekly) goals
- Get facetime and let your voice be heard
- Nurture relationships and sense of being part of a community
- Be mindful of timezones and others' communication preferences
- Use regular weekly meetings to align goals, report progress, seek/offer feedback, and do creative and strategic discussions
- Work side by side through video to brainstorm, ask questions, problem solve, and encourage productivity
- Carefully approach how and often you use messaging/chat to ensure you have time for focused work while balancing team collaboration



# Communication

**Keeping the line of communication open builds trust, respect, positive relationship that facilitates successful completion of the project.**

- Schedule weekly check-ins to review progress, blockers, upcoming tasks
- Clarify communication channels and norms (e.g. email, chat, calls, wiki, response time, writing style, tone, tolerance for humor and informality)
- Be aware of communication challenges across time zones and language/cultural differences. Be on time for scheduled meetings and be respectful of others time.
- Don't be afraid to ask questions, be upfront about expectations, skill and knowledge required and if there are gaps.
- Inform each other of planned vacation or leaves in advance and plans to make up for lost days. Notify if emergencies. Non-responsiveness is one of the worst hurdles to coaching/learning and making progress.
- Over communicate is usually better than under communicate but don't bombard with messages.



# Networking and Community

Gaining a broader understanding of the blockchain community, industry, potential career path can help generate new ideas and help new participants become long-term contributors

- Understand context for how work relates to Hyperledger mission and goals
- Mentors model desirable behaviors so mentees can learn to participate in OS community with increasing confidence and independence
- Move code to [Hyperledger Labs](#) to build community and continue momentum
- Network with peer mentees and other professionals beyond your immediate team at Workshop, meetup, or conferences and etc.
- Attend/organize a [Hyperledger meetup](#) in your local community
- Explore projects under the Hyperledger umbrella and how the community is organized and how you may be able to participate or contribute
- Sign up for Hyperledger /dev/weekly and monthly newsletter <https://www.hyperledger.org/> to stay informed about what's happening



# PR and Social Media Promotion

The Hyperledger social community is global and very large and can be a great way for you to promote the work you are doing!

- Follow Hyperledger on [Twitter](#), [Facebook](#), [LinkedIn](#)
- Update your LinkedIn profile with your mentor/mentee role at Hyperledger
- If your mentor has a social handle, follow them, tag them and thank them for their support
- Tag your social posts with #Hyperledger and we will reshare across channels!
- If you have a blog, Medium, LinkedIn or other types of longer content tools write ongoing updates on your work and share
- Get featured in Developer Showcase series

Contact [pr@hyperledger.org](mailto:pr@hyperledger.org) for questions or guidance



# Important Dates and Logistics

- **June 1:** program officially begins
  - [Full time schedule](#): 12 weeks, June - August
  - [Part time schedule](#): 24 weeks, June - November
- **Project Plan:** initial draft project plan posted on wiki by end of week 2
- **Evaluations:** quarterly, at end of week 3, 6, 9, 12 for full-time mentees and 6, 12, 18, 24 for part-time mentees
- **Stipend:** mentee will received a midterm and a final stipend if in good standing following satisfactory midterm and final evaluations
- **LFX Mentorship Platform:** use it to assign tasks and due dates if it can be incorporated into your flow but all results/documentation should be posted on Hyperledger wiki for the open source community to consume
- **Hyperledger Global Forum Sep 12-14:** opportunity to participate and showcase your work virtually





# Questions?

**Mentorship Discord chat channel**

**[mentorship@hyperledger.org](mailto:mentorship@hyperledger.org) (program staff)**

**[mentors2022@lists.hyperledger.org](mailto:mentors2022@lists.hyperledger.org) (peer mentors)**

**[mentees2022@lists.hyperledger.org](mailto:mentees2022@lists.hyperledger.org) (peer mentees)**