



FOR THE GOOD OF THE COMMUNITY

HELLO!



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ICE BREAKER



WHAT ARE WE GONNA DO TODAY?

- How to formalize organization contributions to open source projects
- Discuss and build out goals for those contributions
- Identify helpful metrics for those contributions





"THERE ISN'T A ONE SIZE FITS ALL MODEL. I CAN'T STAND UP IN FRONT OF A CROWD AND SAY 'THIS IS HOW YOU SHOULD DO IT'"

–James McAffer, Director of the Open Source Programs Office at Microsoft

OBJECTIVES

- Walk away with a plan to understand your company's open source reliance
- Walk away with goals to act on
- Walk away with metrics to work with



GITHUB.COM/UNIVERSEWORKSHOPS/FOR-THE-GOOD



WHAT CONTRIBUTING CAN LOOK LIKE

OFFICE OF OPEN SOURCE MGMT

- Tracks consumption of open source projects
- Provides structure for contributions
- Manages license usage
- Tooling
- Guides / Docs

TOOL EXAMPLES

- CLA Assistant (<https://cla-assistant.io>)
- Microsoft's Open Source Portal (<https://github.com/Microsoftopensource-portal>)
- GHTorrent (<http://ghtorrent.org/>)
- GHcrawler (<https://github.com/microsoft/ghcrawler>)

HOW THEY DO IT AT OTHER ORGS

- Align open source goals with business goals
- Create a company wide policy that encourages use and contributing to open source



CAUSE SPREADSHEETS ARE HARD



- Tools to manage open source dependencies
 - GitHub Marketplace (<https://github.com/marketplace/category/dependency-management>)
 - Depfu
 - MyGet
 - Greenkeeper
 - Sonatype DepShield
 - Renovate
 - Dependabot
 - Snyk
 - Fossa (<https://fossa.io>)

VULNERABILITIES DON'T LOOK GOOD ON YOU



- Tools to find, fix, and prevent security vulnerabilities
 - GitHub Marketplace (<https://github.com/marketplace/category/security>)
 - LGTM
 - Depfu
 - BackHub
 - Sonatype DepShield
 - Renovate
 - Dependabot
 - Snyk



WHAT CONTRIBUTING WILL PROBABLY LOOK LIKE



TYPICAL HURDLES

- Resources
- Who will manage it?
- How to organize it?



YOUR PLAN

- What open source projects are being consumed?
- What open source technologies are fundamental to achieving business objectives?
- What does our current open source contributions look like?
- How are new open source projects used?
- How else can we be utilizing open source projects?
- Are you going to document the journey?
- How will you share success and failure?



MAKE A PLAN



"REPORTS ARE A GOOD WAY TO RAISE AWARENESS. EVEN THOUGH FACEBOOK PLACES A HIGH VALUE OPEN SOURCE (AS AN ORGANIZATION), IT'S STILL ALWAYS A GOOD THING TO MARKET YOURSELF INTERNALLY ALL THE TIME AND SHOW YOUR VALUE"

–Christine Abernathy, Open Source Developer Advocate at Facebook

MEASURE INCHES NOT FEET

- Lofty goals, reasonable expectations
- Create a dashboard that collects and displays pertinent data for this initiative



METRIC EXAMPLES

- Number of submitted, open ,and accepted issues and pull requests
- Age of open issues and pull requests
- Contributions to consumed projects
 - Not necessarily lines of code or commits, but contributions that have been merged
 - Code or monetary
- Do you have formalized processes?
- Are people using said processes?



MEASURING SUCCESS



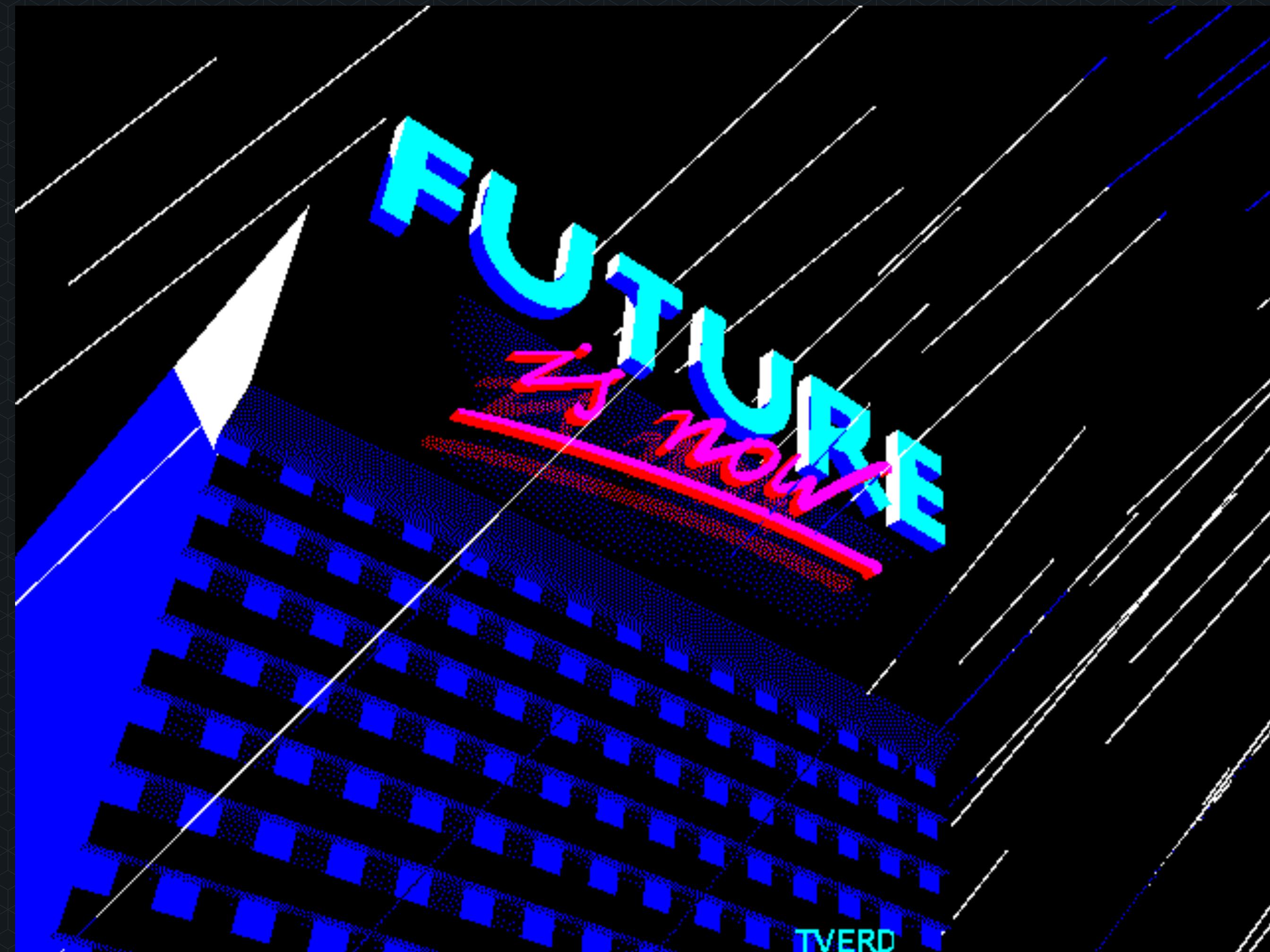
CREATIVE USE OF MECHANICS

HOW ELSE CAN OPEN SOURCE HELP?

- Code challenges
- Collaborator to coworker
- Snipe-IT (<https://snipeitapp.com>)



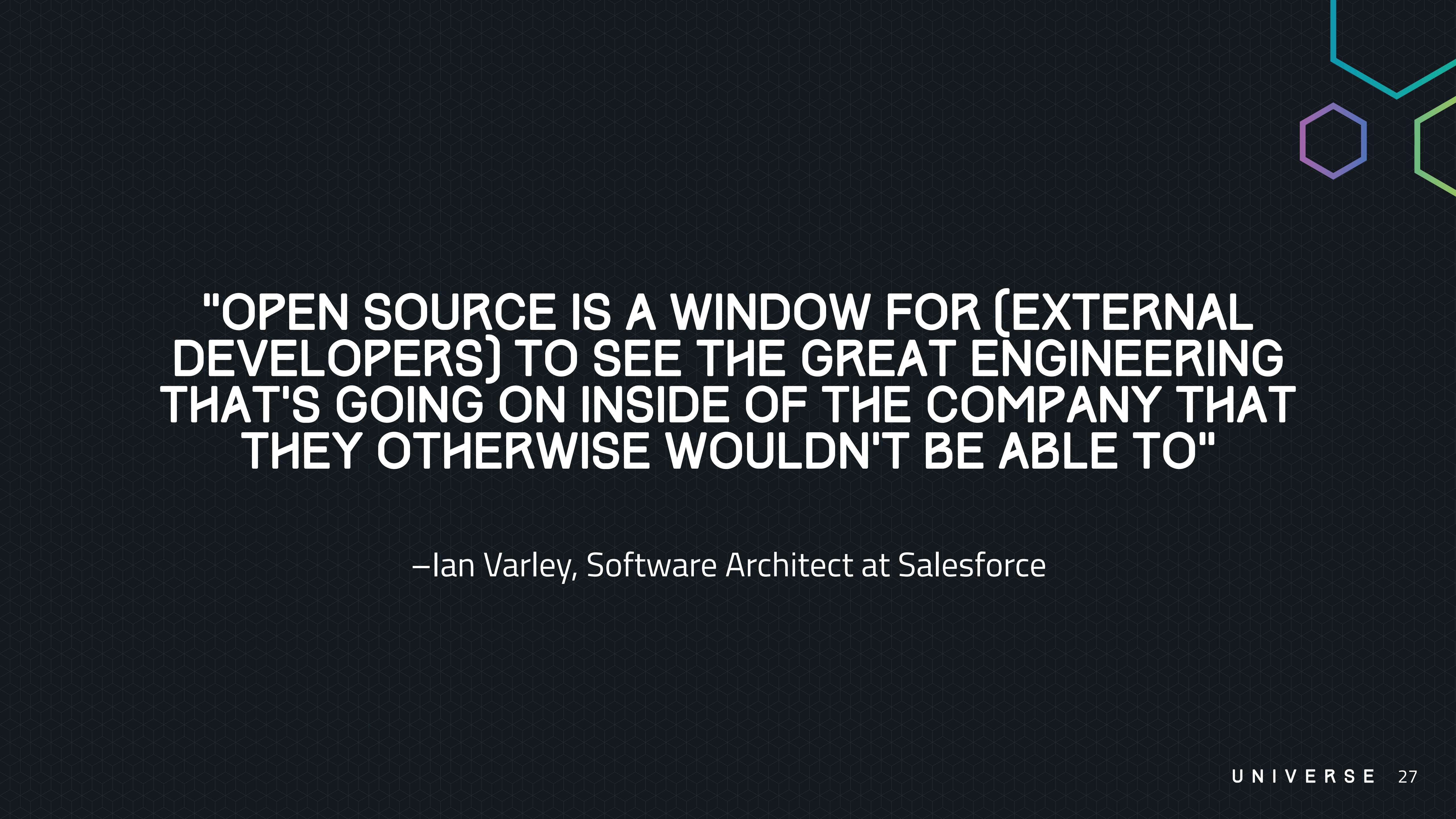
LOOKING TO THE FUTURE





**"HOW DO YOU ACTUALLY GET THE SMARTEST
PEOPLE IN THE WORLD WORKING AT YOUR
COMPANY? WELL, YOU OPEN SOURCE STUFF AND
THEN CONVINCE THEM TO CONTRIBUTE TO YOUR
PROJECTS!"**

—Chris Aniszczyk, Executive Director of the Open Container Initiative and COO of
the Cloud Native Computing Foundation



"OPEN SOURCE IS A WINDOW FOR (EXTERNAL DEVELOPERS) TO SEE THE GREAT ENGINEERING THAT'S GOING ON INSIDE OF THE COMPANY THAT THEY OTHERWISE WOULDN'T BE ABLE TO"

—Ian Varley, Software Architect at Salesforce

HELPFUL LINKS

- <https://togogroup.org>
- <https://github.com/todogroup/job-descriptions\>



U N I V E R S E