

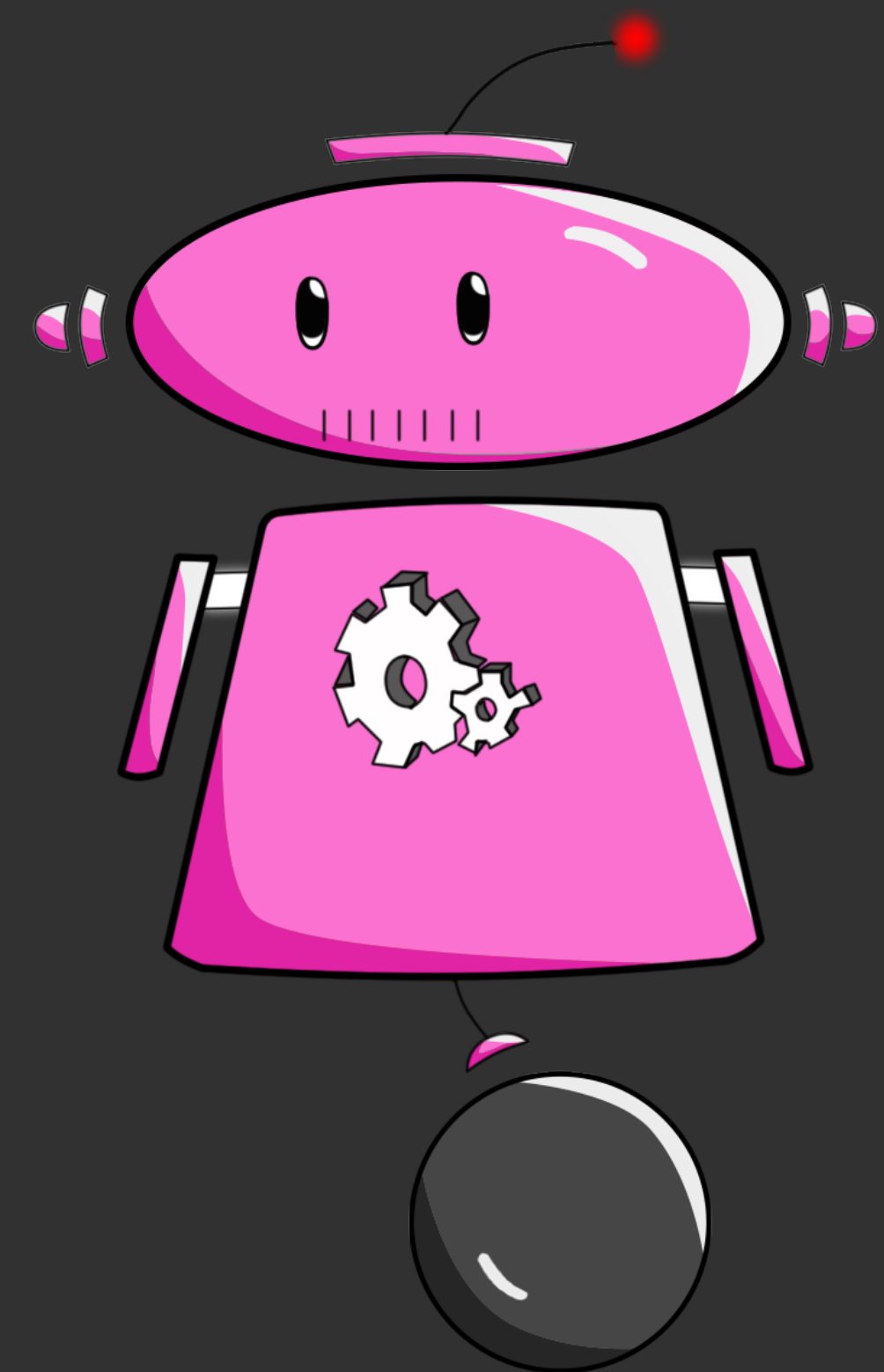
# SUPPORTING THE NEEDS OF FUTURE GENERATIONS

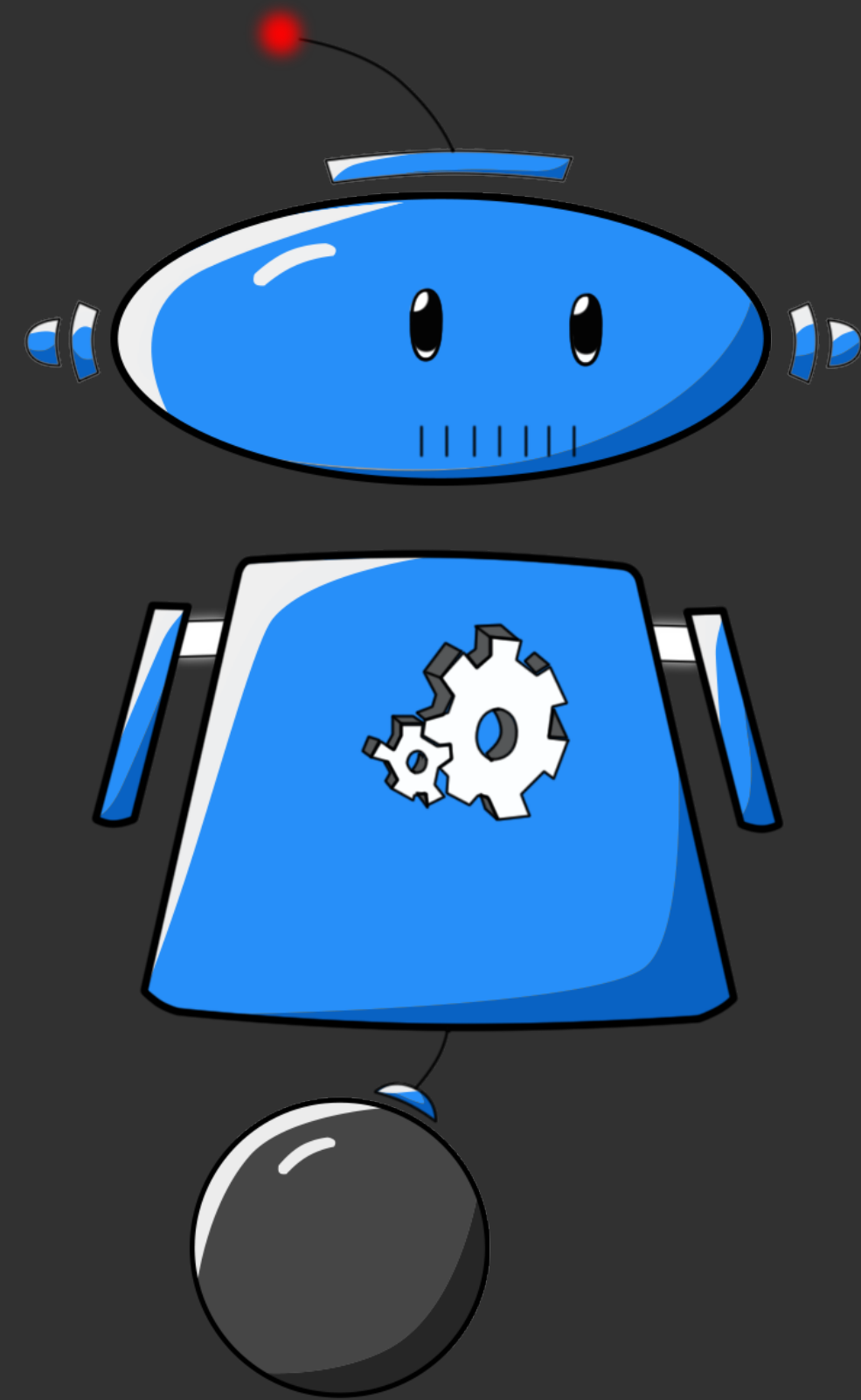
VM (Vicky) Brasseur

ROSCon.jp

2024-09-25

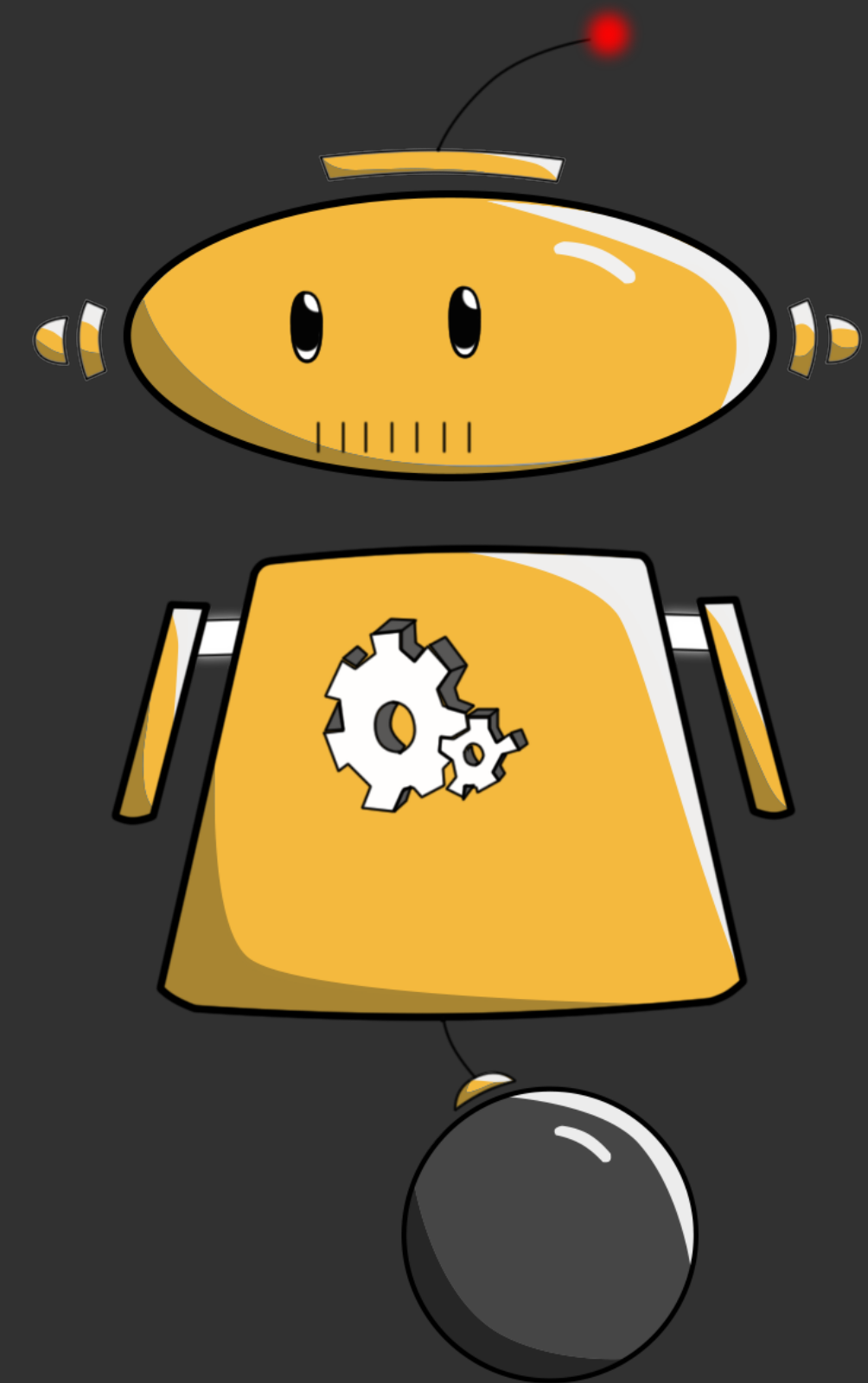
**YOU ARE  
SURROUNDED BY  
ECOSYSTEMS**

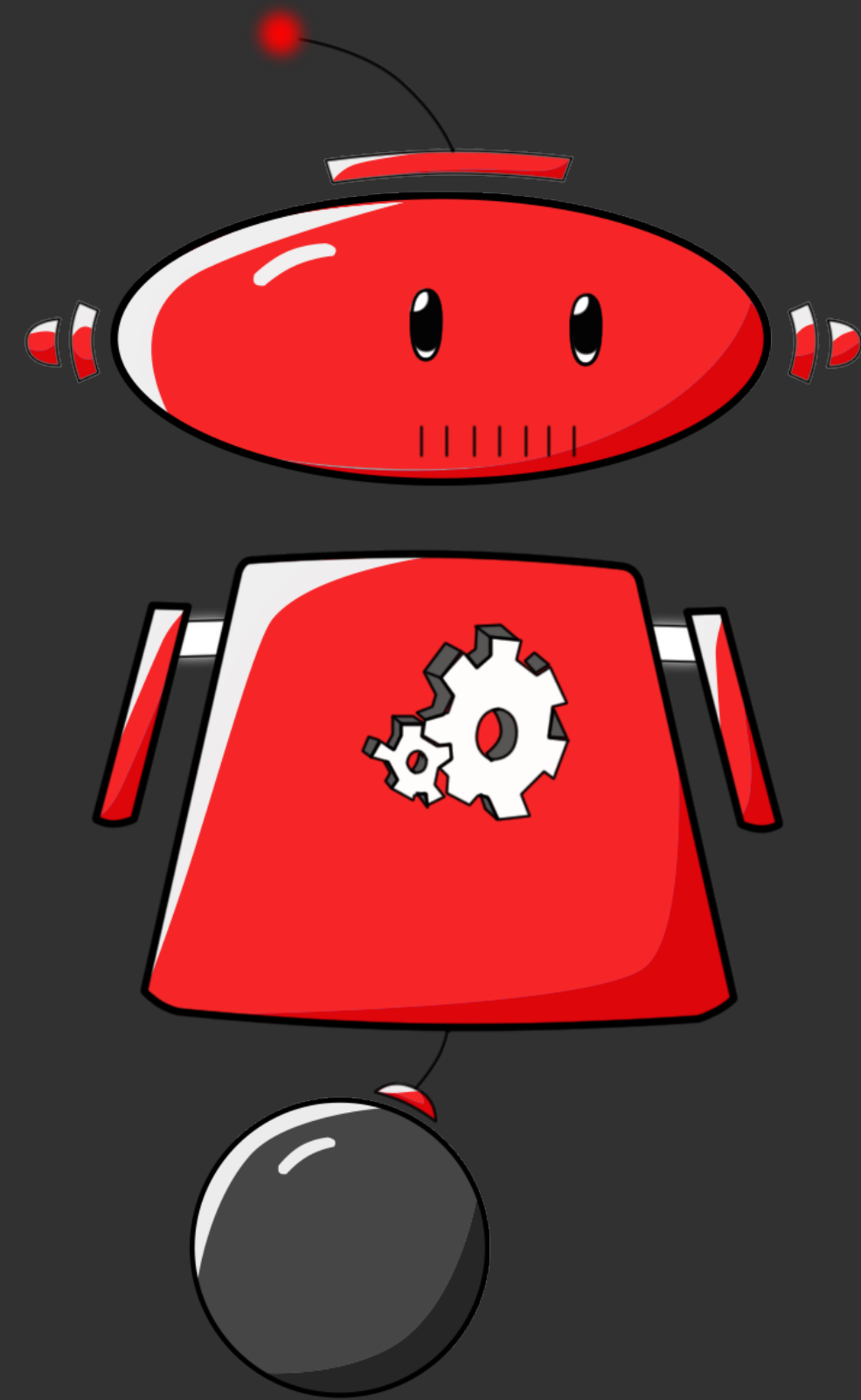




**YOU ARE AN  
ECOSYSTEM**

**EACH  
ECOSYSTEM IS  
UNIQUE**

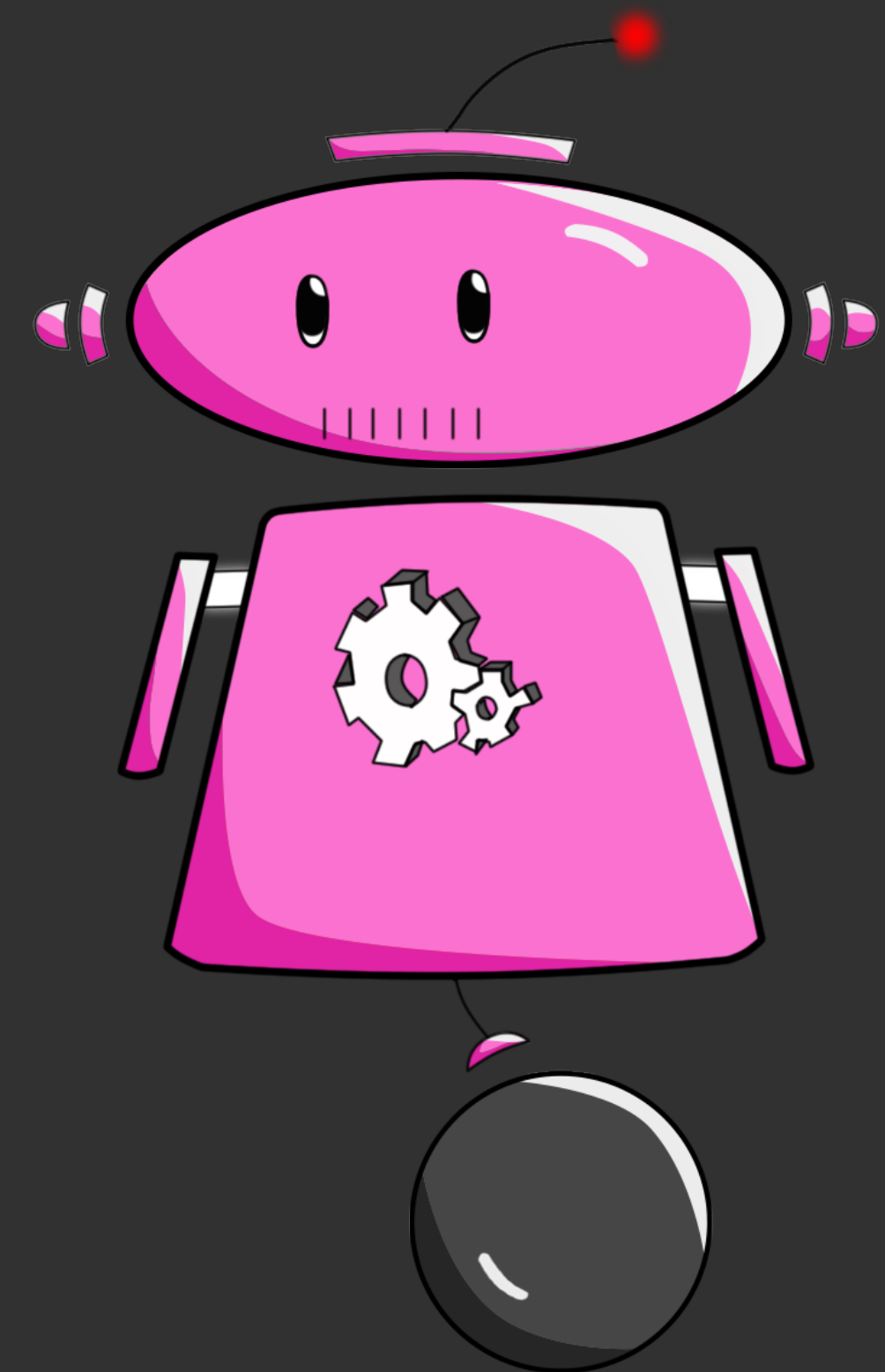




**EACH  
ECOSYSTEM IS  
IMPORTANT**



**THE  
BRUNDTLAND  
REPORT**



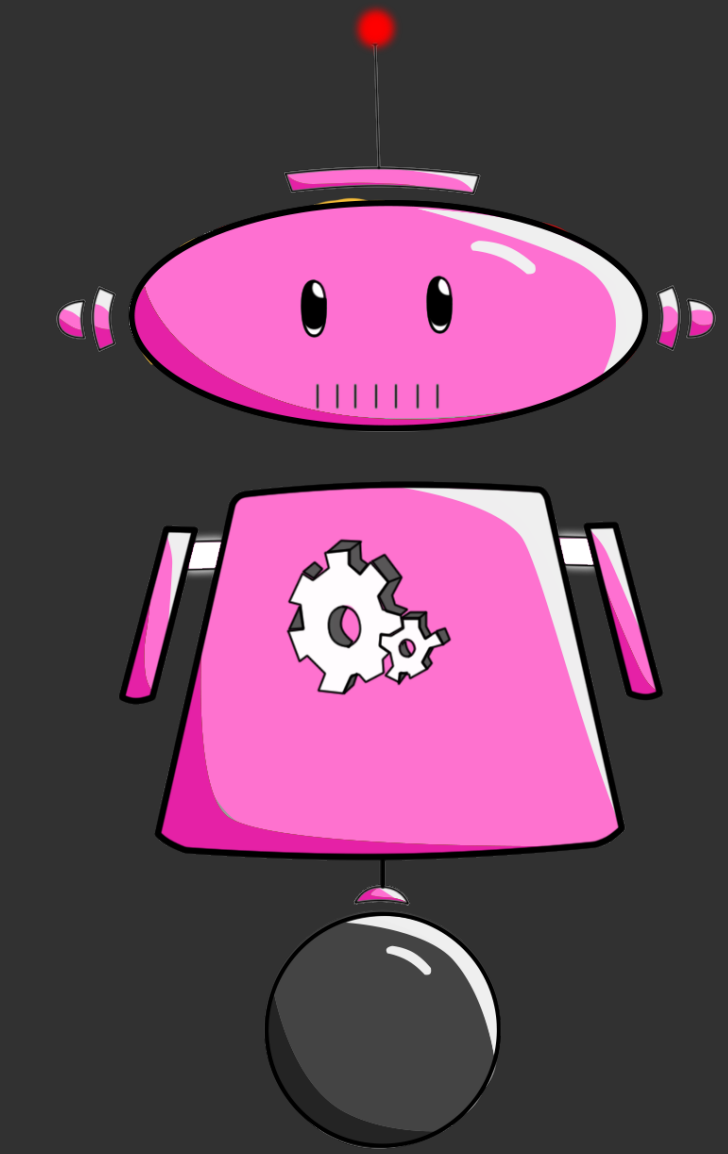
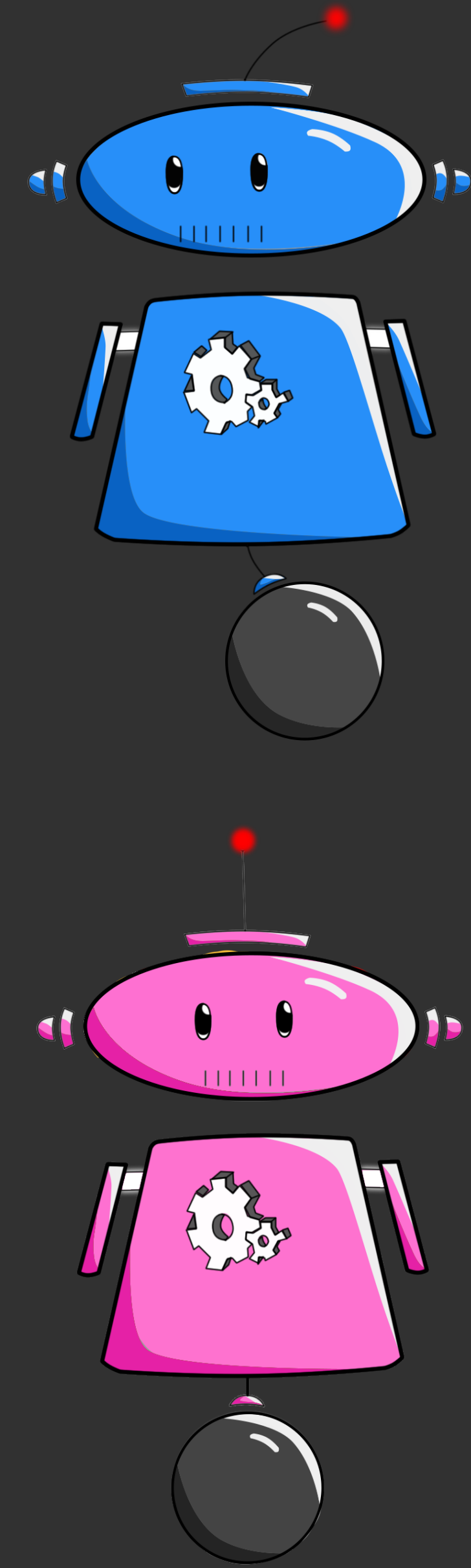
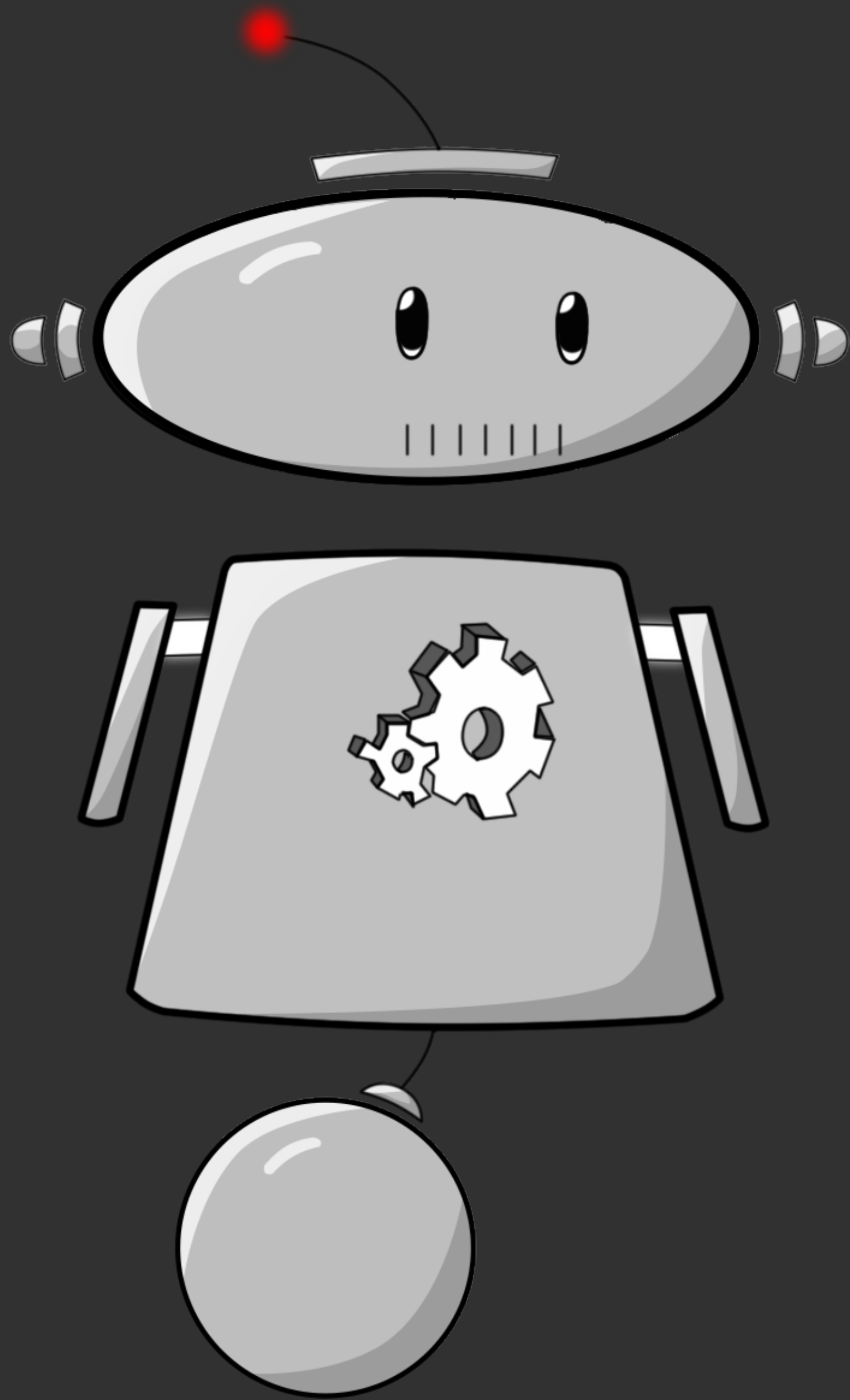


SUSTAINABLE DEVELOPMENT IS  
DEVELOPMENT THAT MEETS THE NEEDS  
OF THE PRESENT WITHOUT  
COMPROMISING THE ABILITY OF FUTURE  
GENERATIONS TO MEET THEIR OWN  
NEEDS.

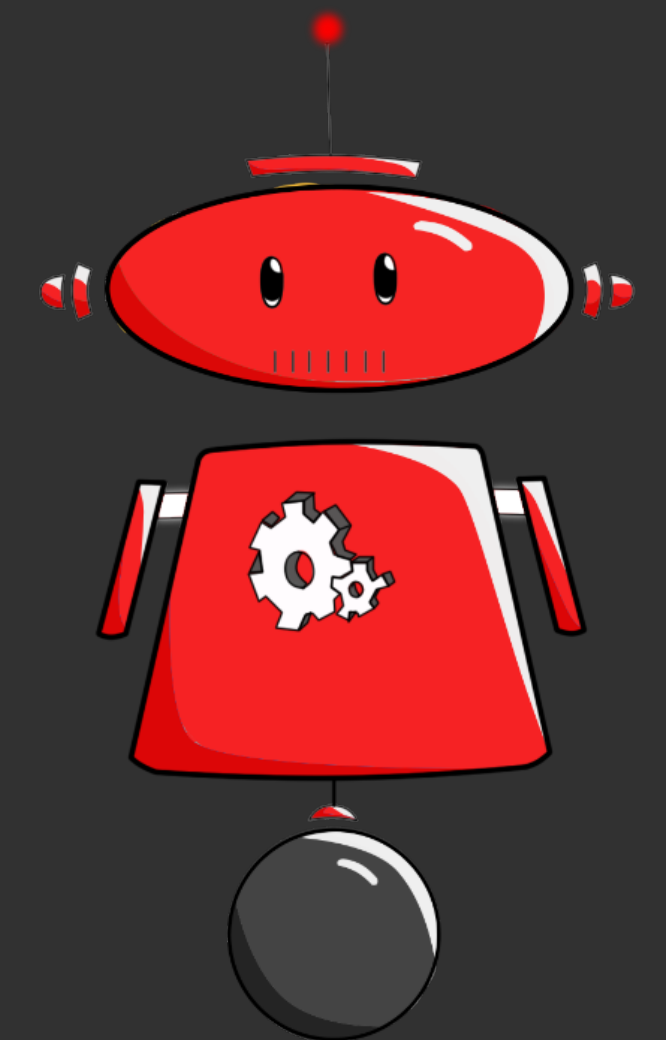
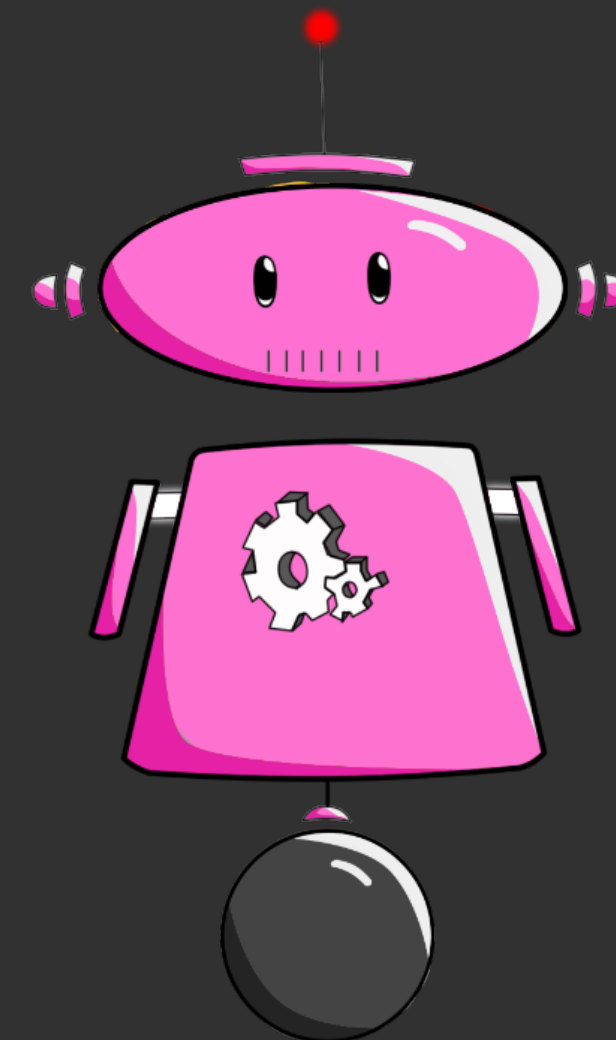
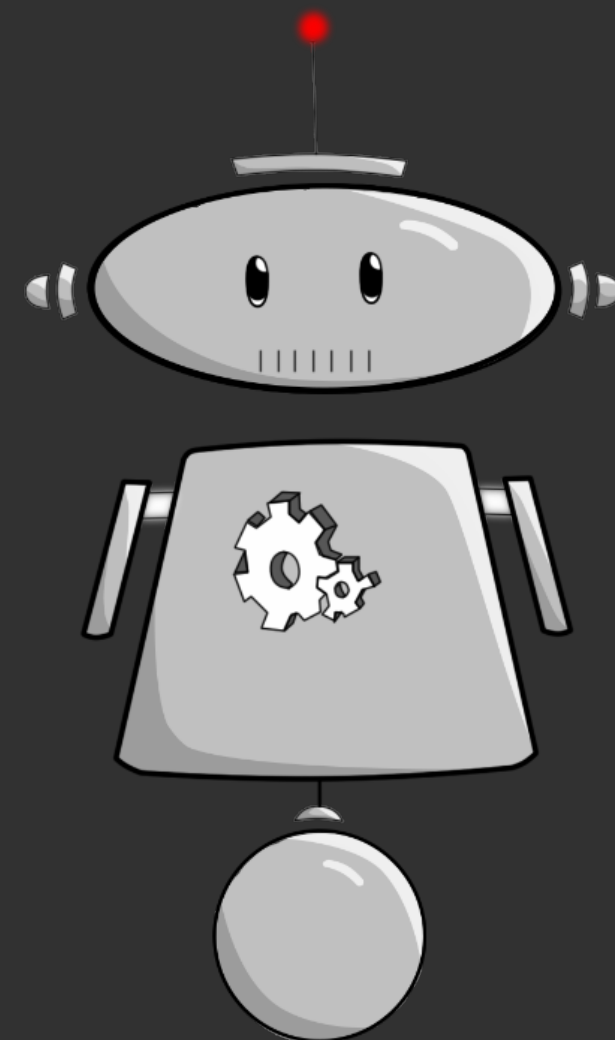
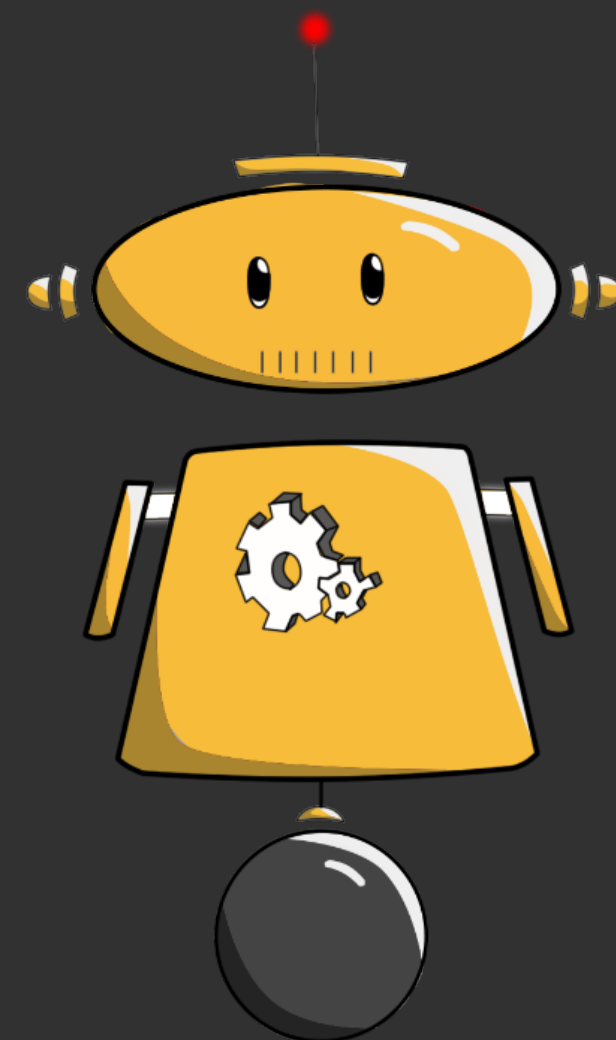
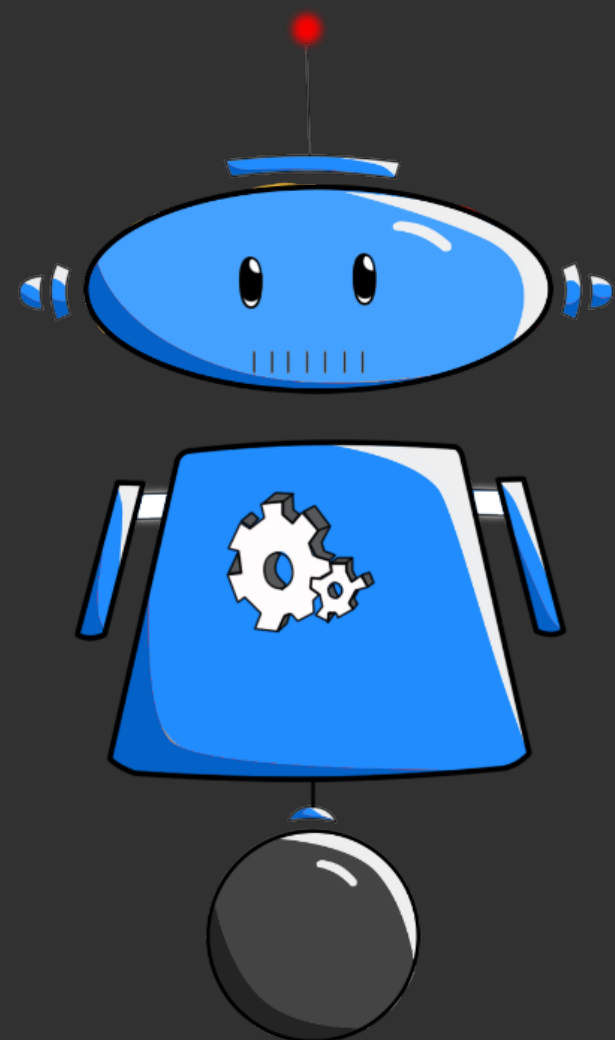


The Brundtland Report, 1987

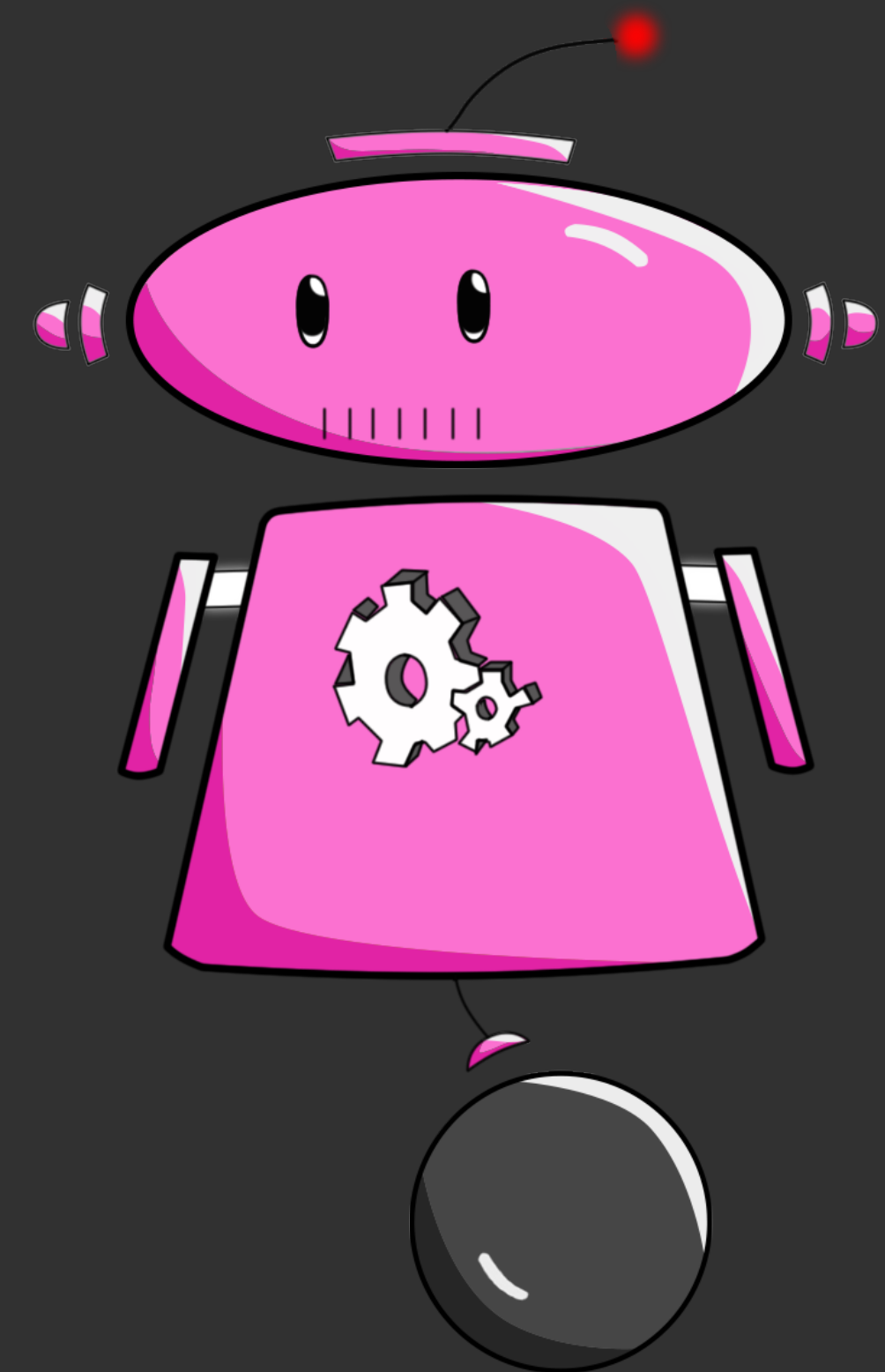


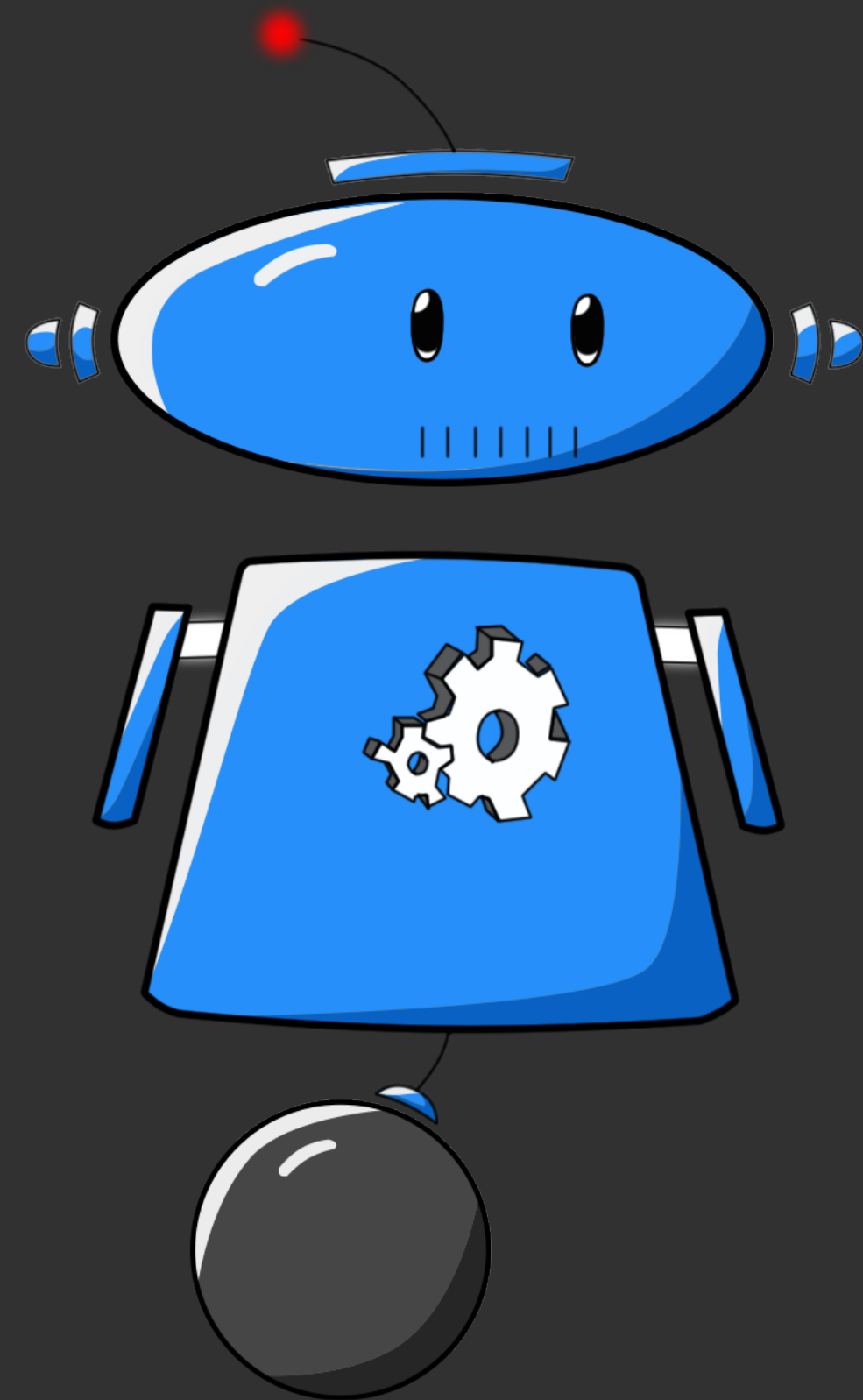


# CURRENT STATE OF OPEN SOURCE SOFTWARE ECOSYSTEM



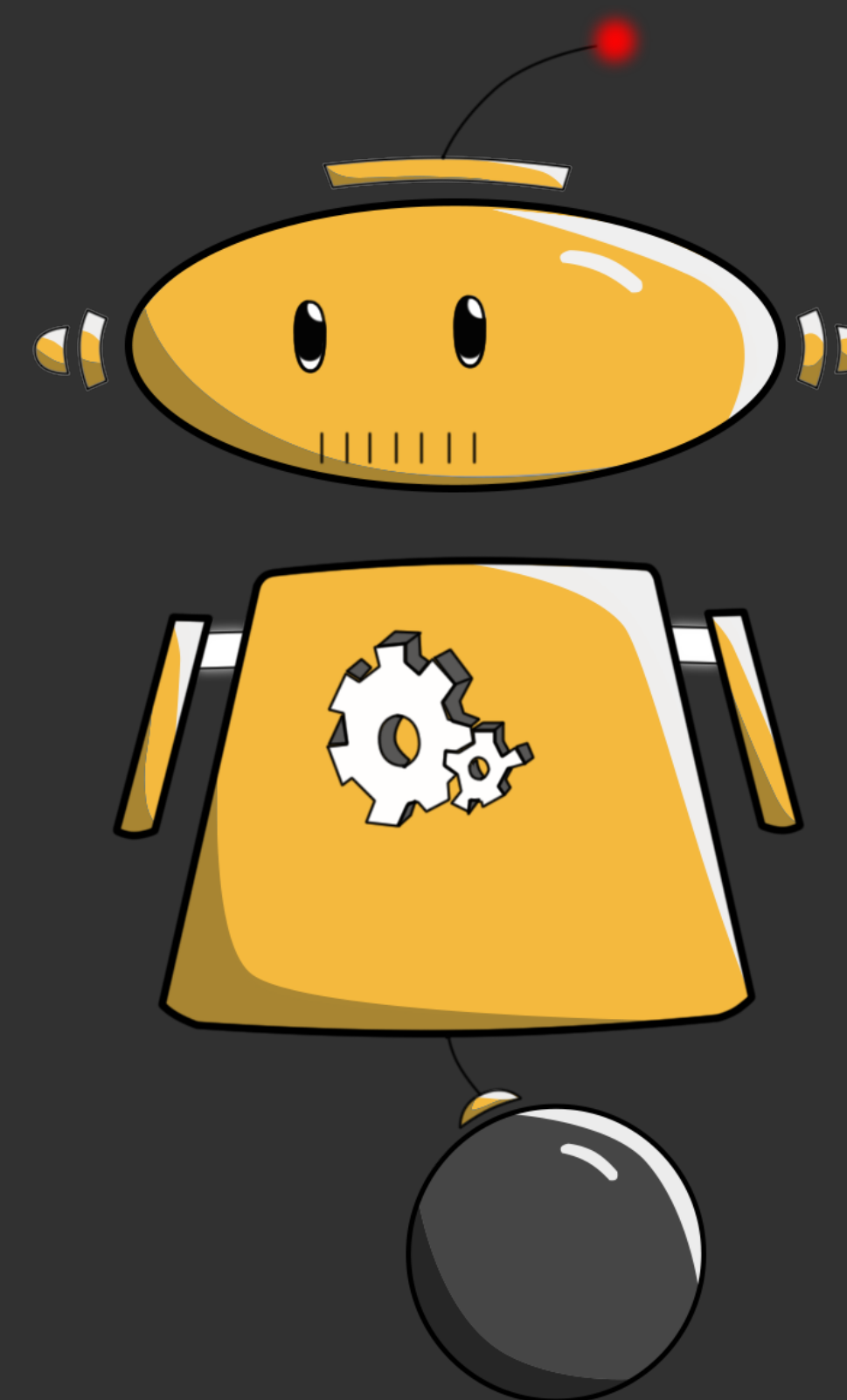
**MORE THAN 90% OF  
COMPANIES RELY  
ON OPEN SOURCE**

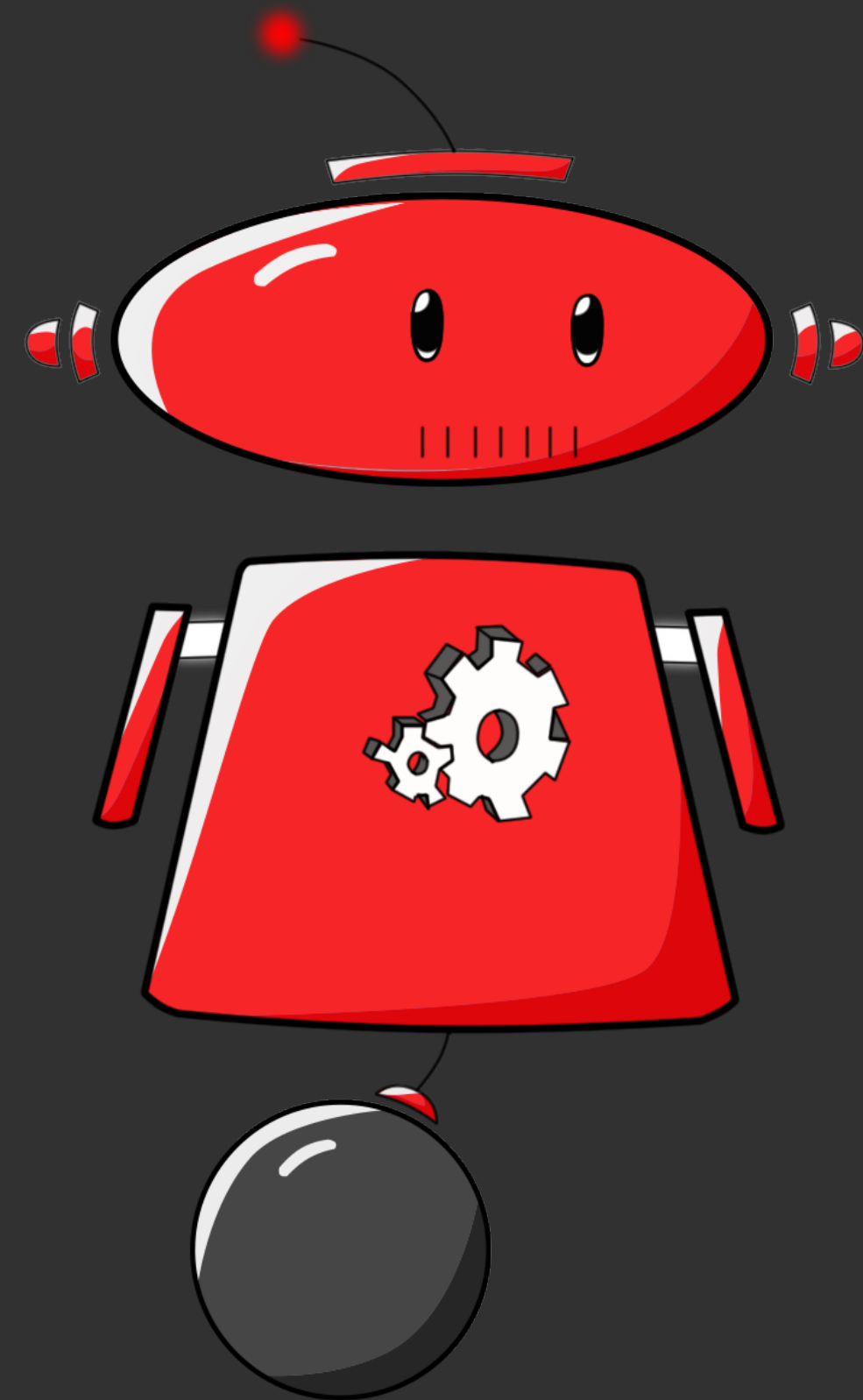




**COMPANIES ARE USING  
OPEN SOURCE BUT NOT  
SUPPORTING IT**

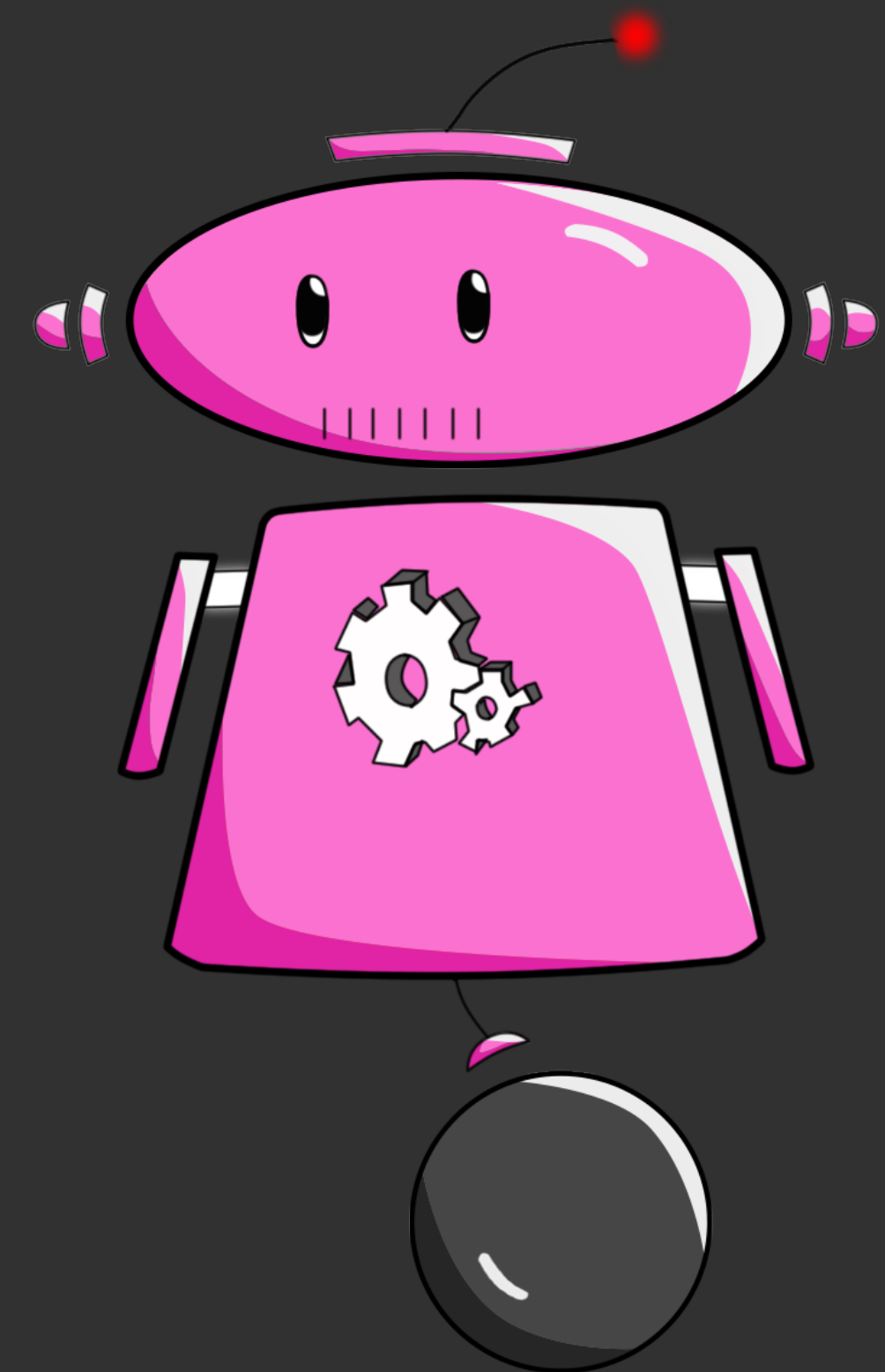
**OPEN SOURCE IS  
GROWING  
RAPIDLY**



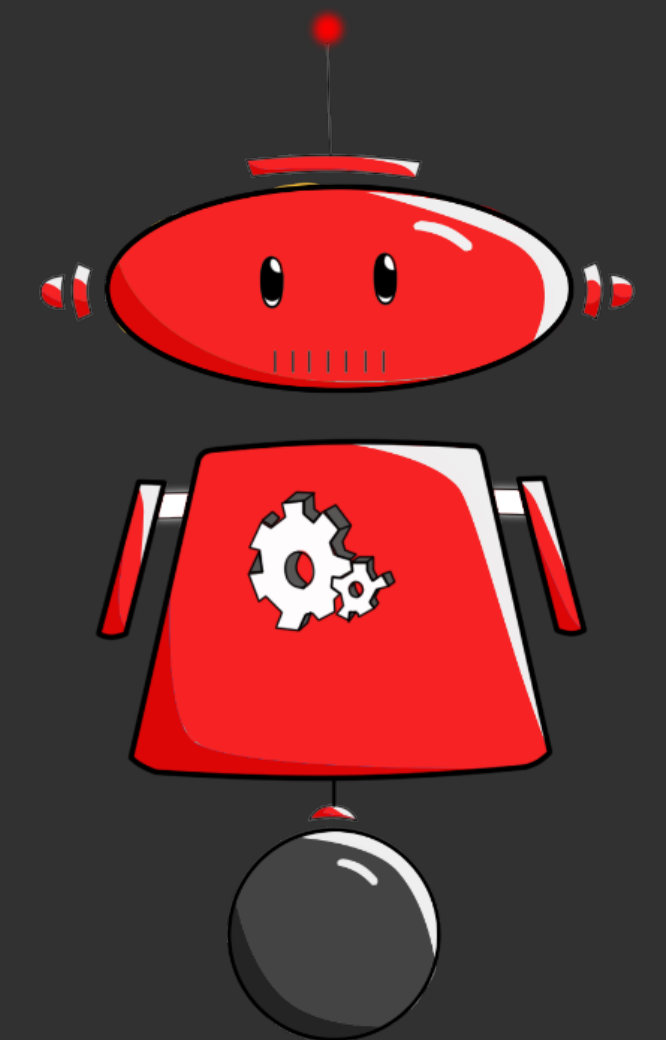
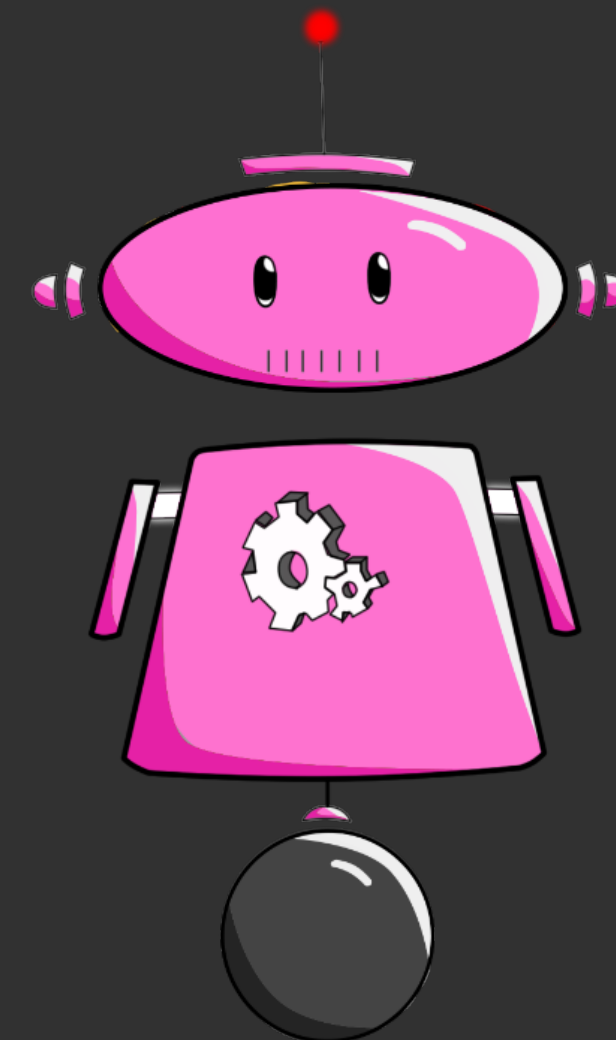
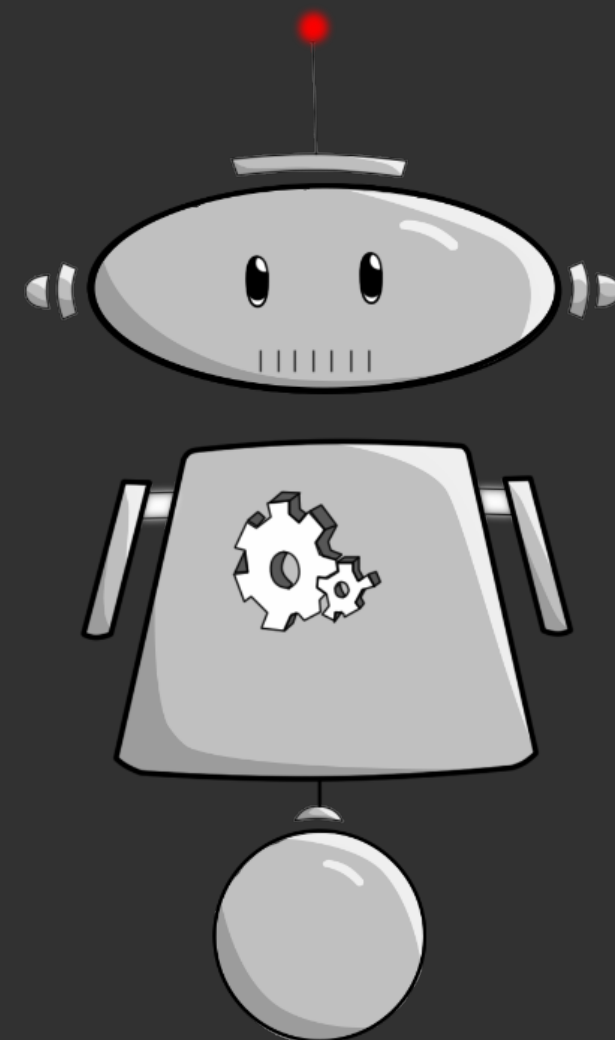
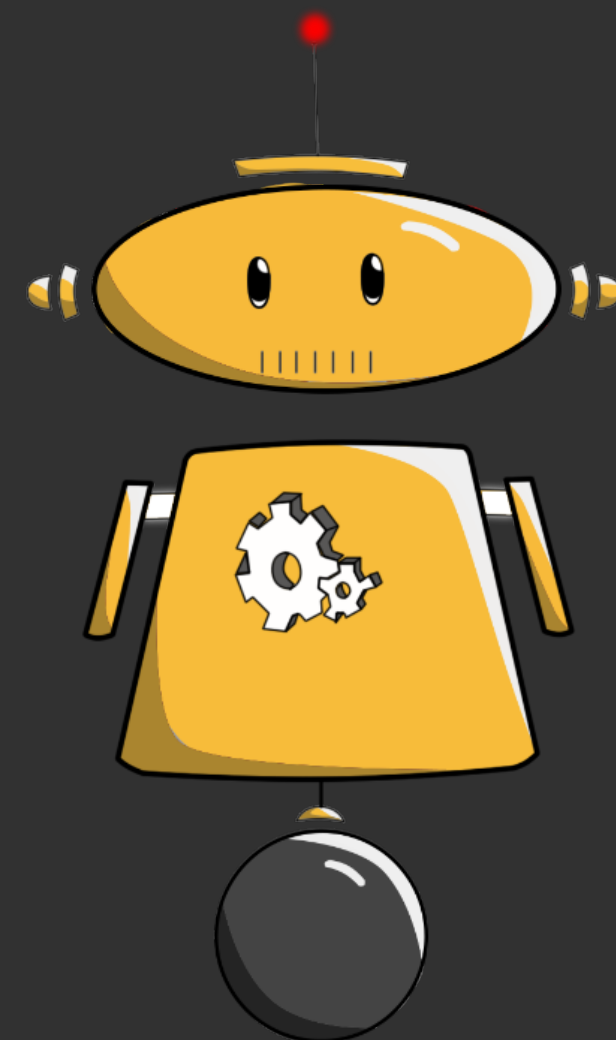
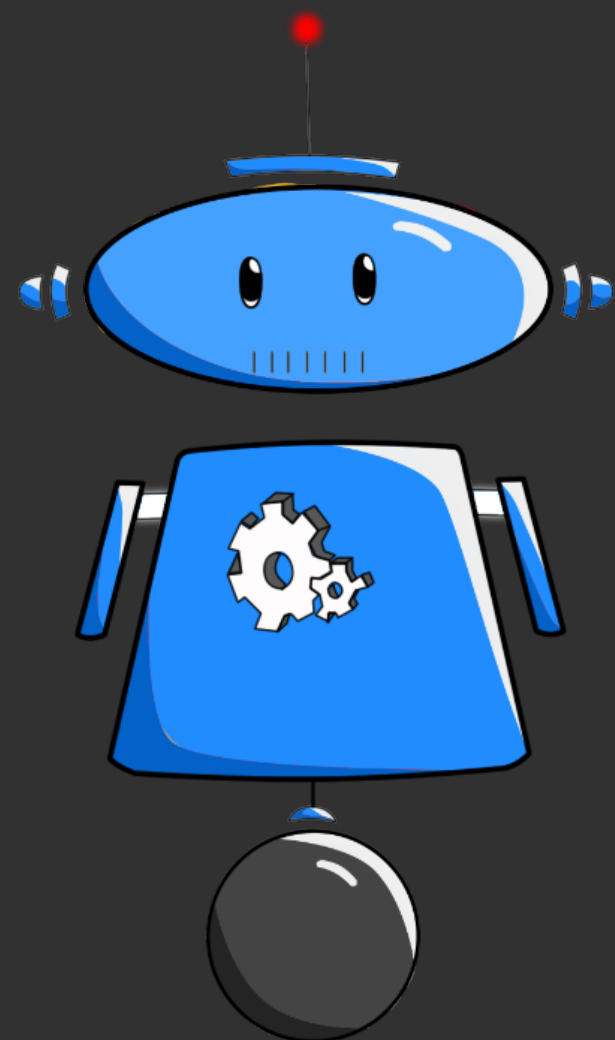


**MAINTAINER  
SUPPLY DOES NOT  
MATCH DEMAND**

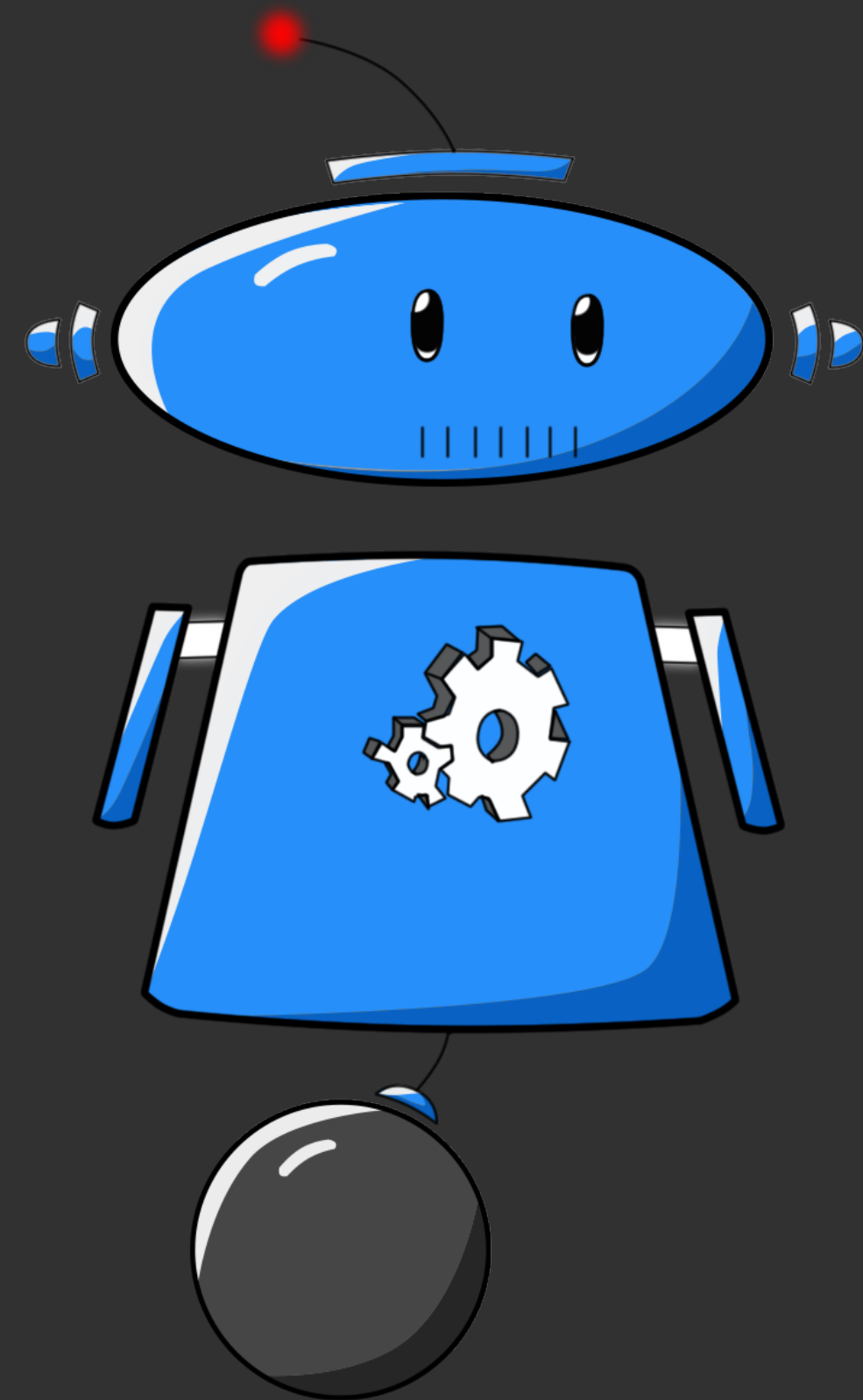
**MAINTAINERS ARE  
AGING AND NOT  
BEING REPLACED**



**THE OPEN SOURCE ECOSYSTEM  
IS IN A SUSTAINABILITY  
CRISIS**

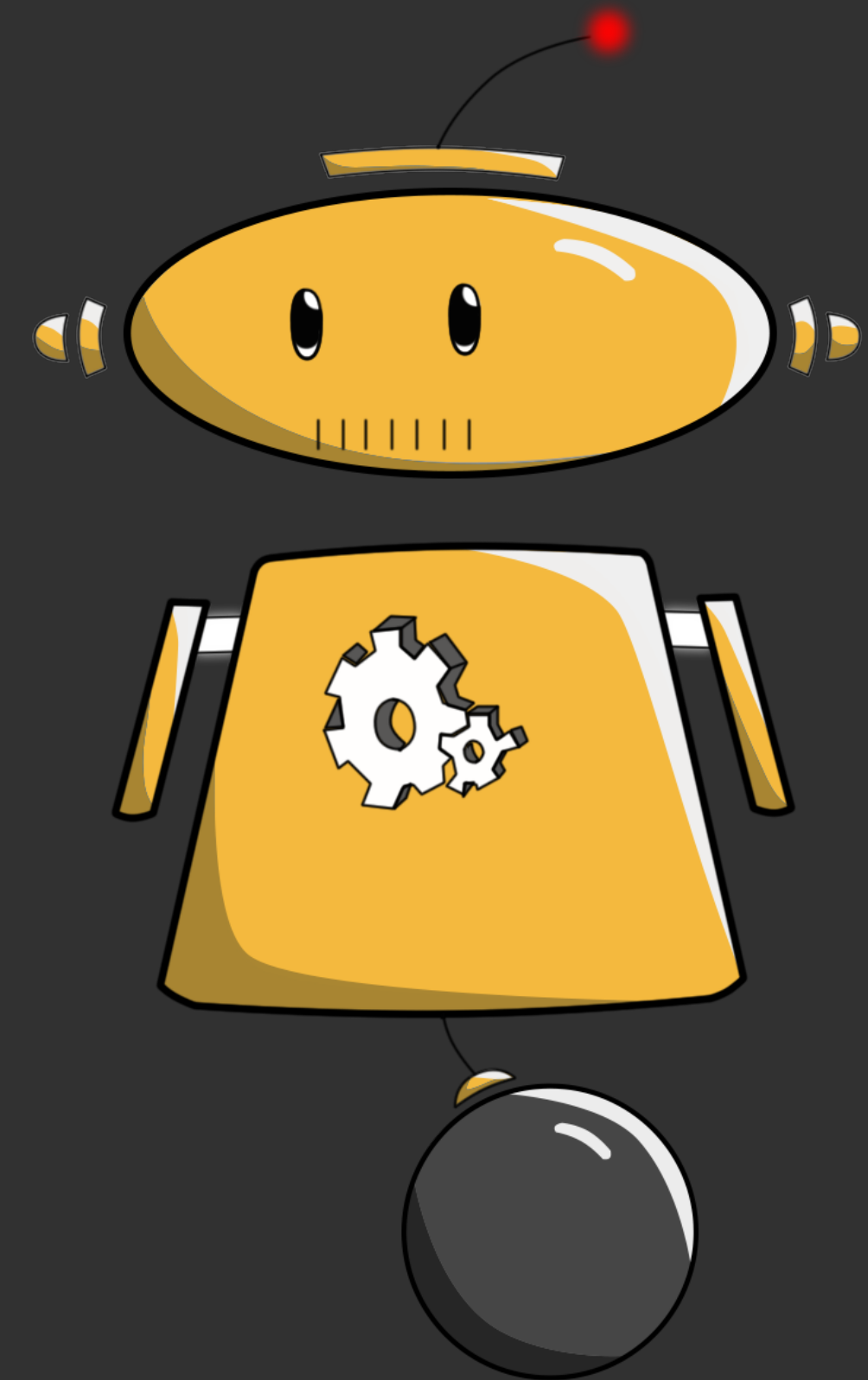


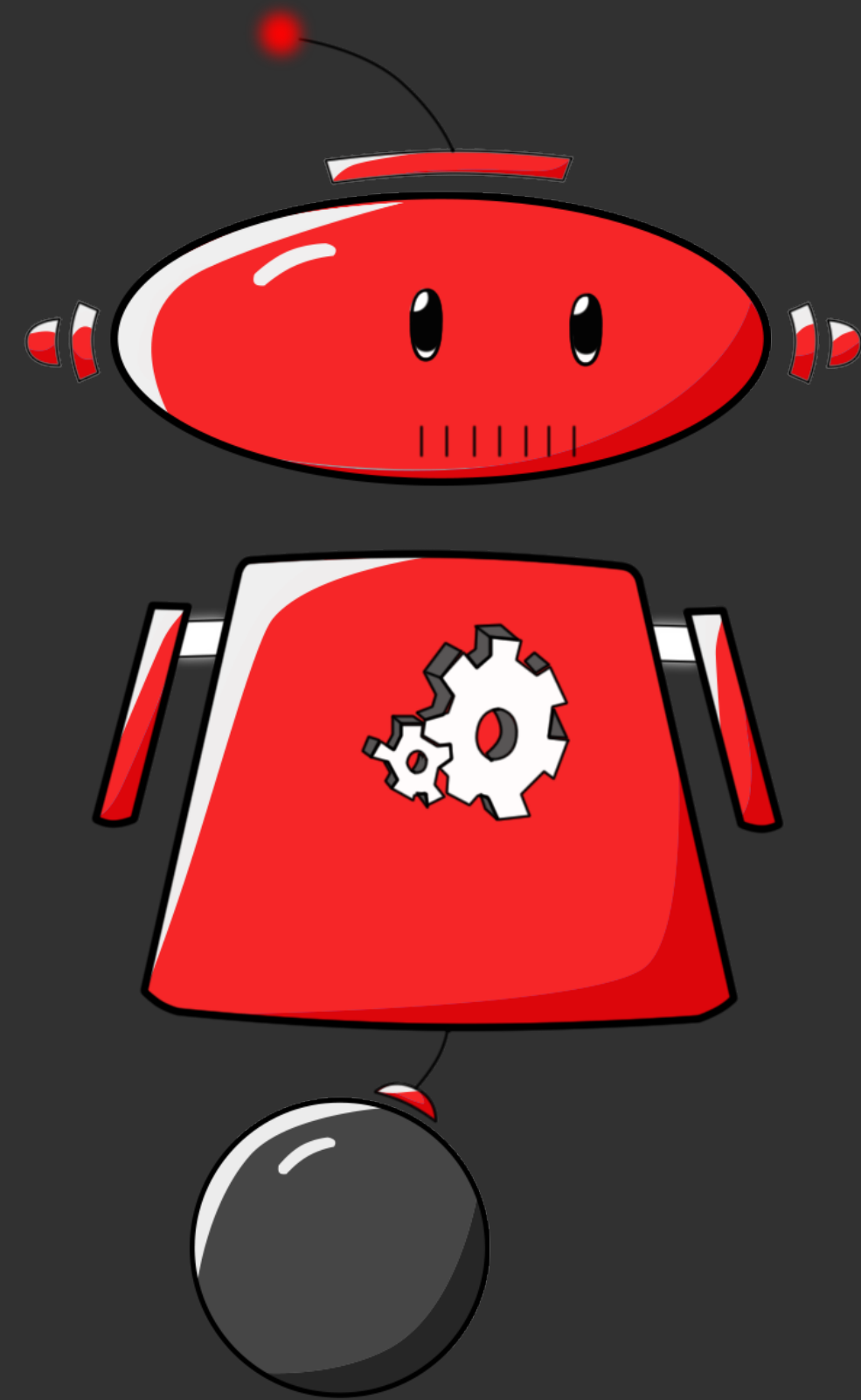




**COMPANY SUPPORT  
DOES NOT MATCH  
COMPANY USAGE**

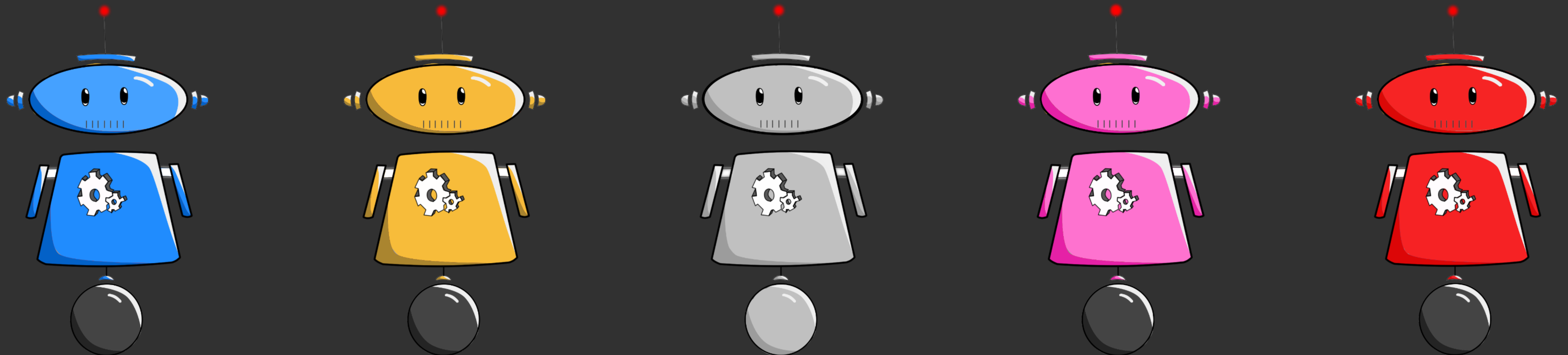
**MAINTAINERS  
ARE BURNING  
OUT**



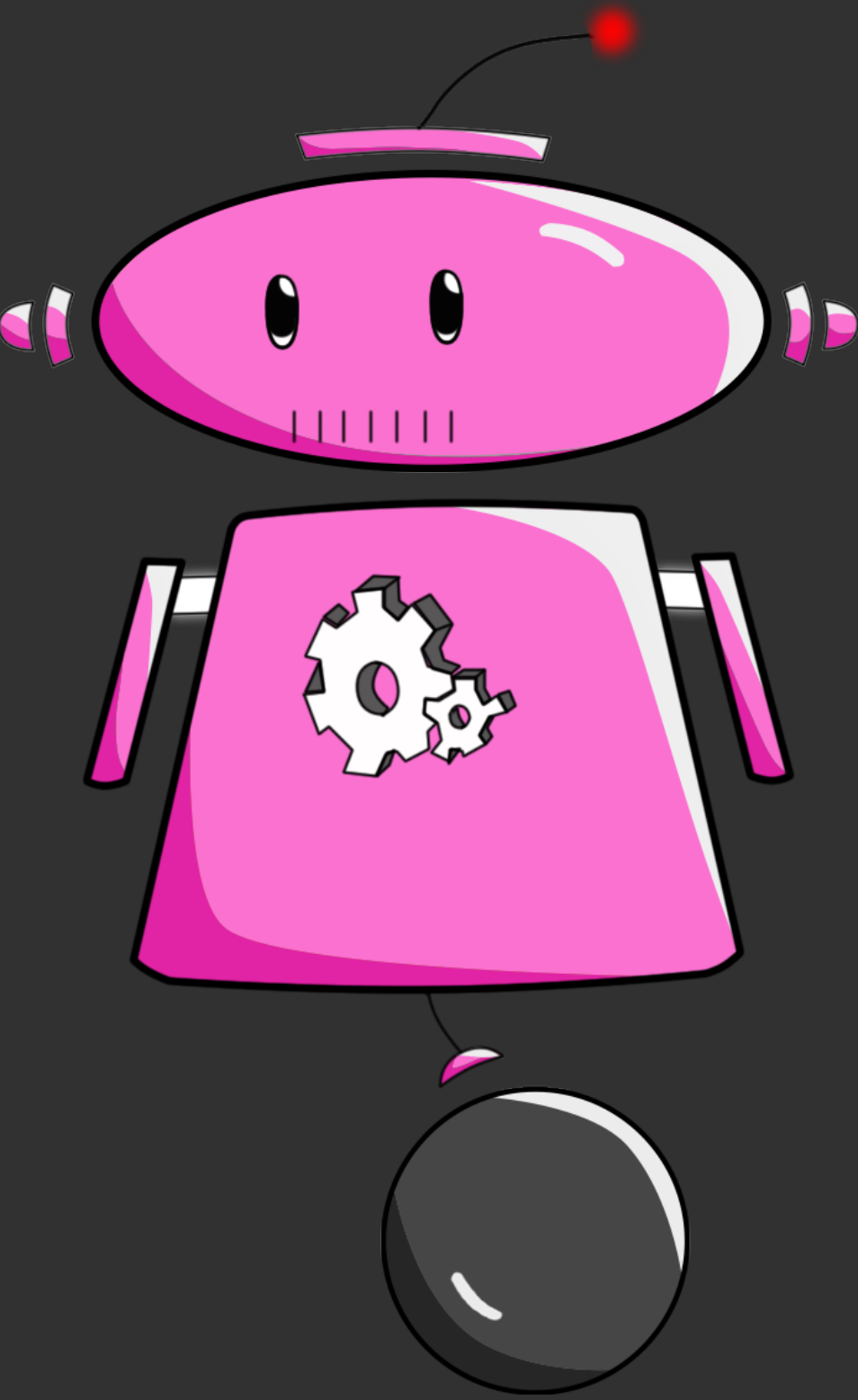


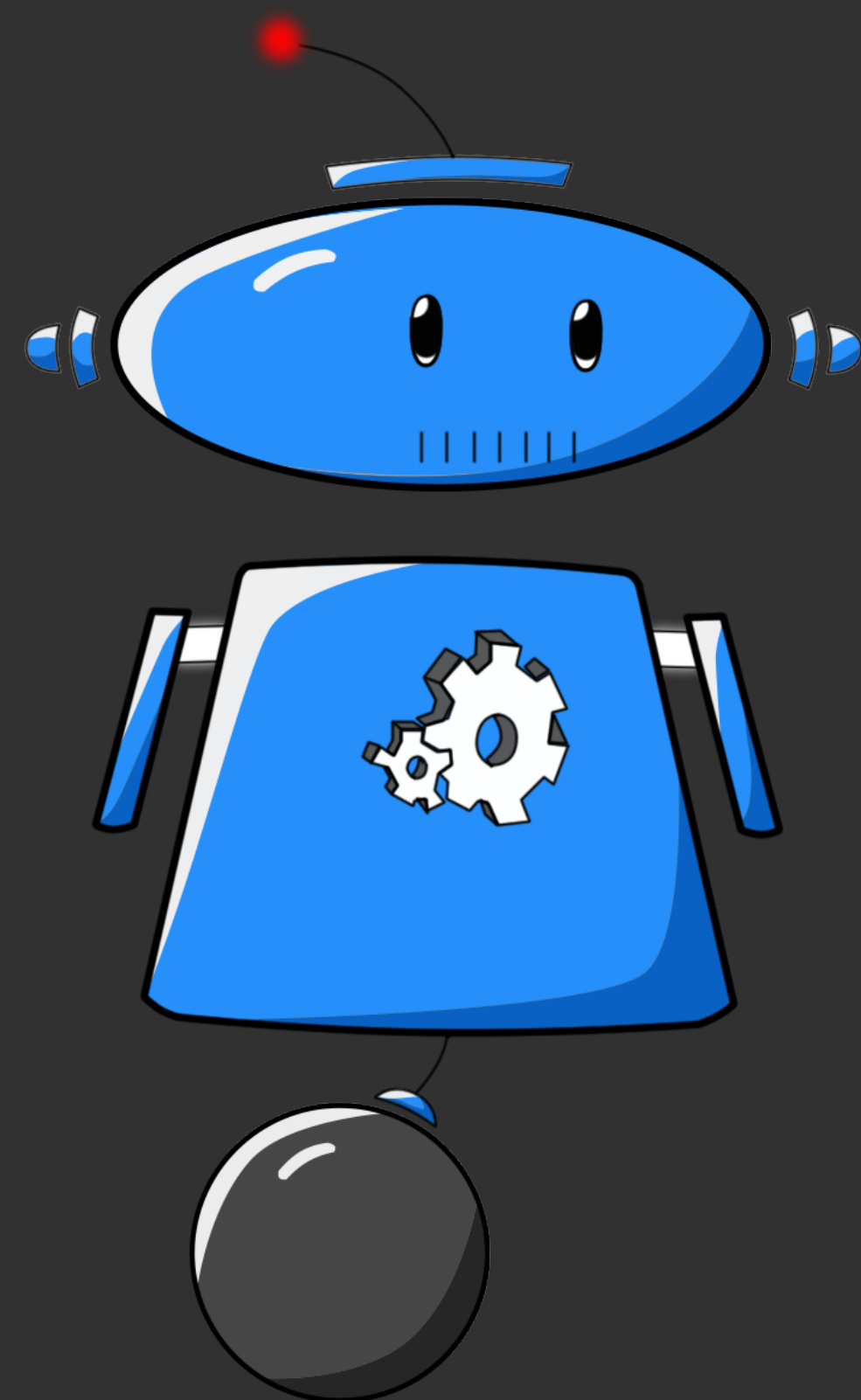
**THESE ARE  
TERRIBLE AND  
PREVENTABLE RISKS**

# SOME EFFORTS TO IMPROVE THE SUSTAINABILITY OF OPEN SOURCE



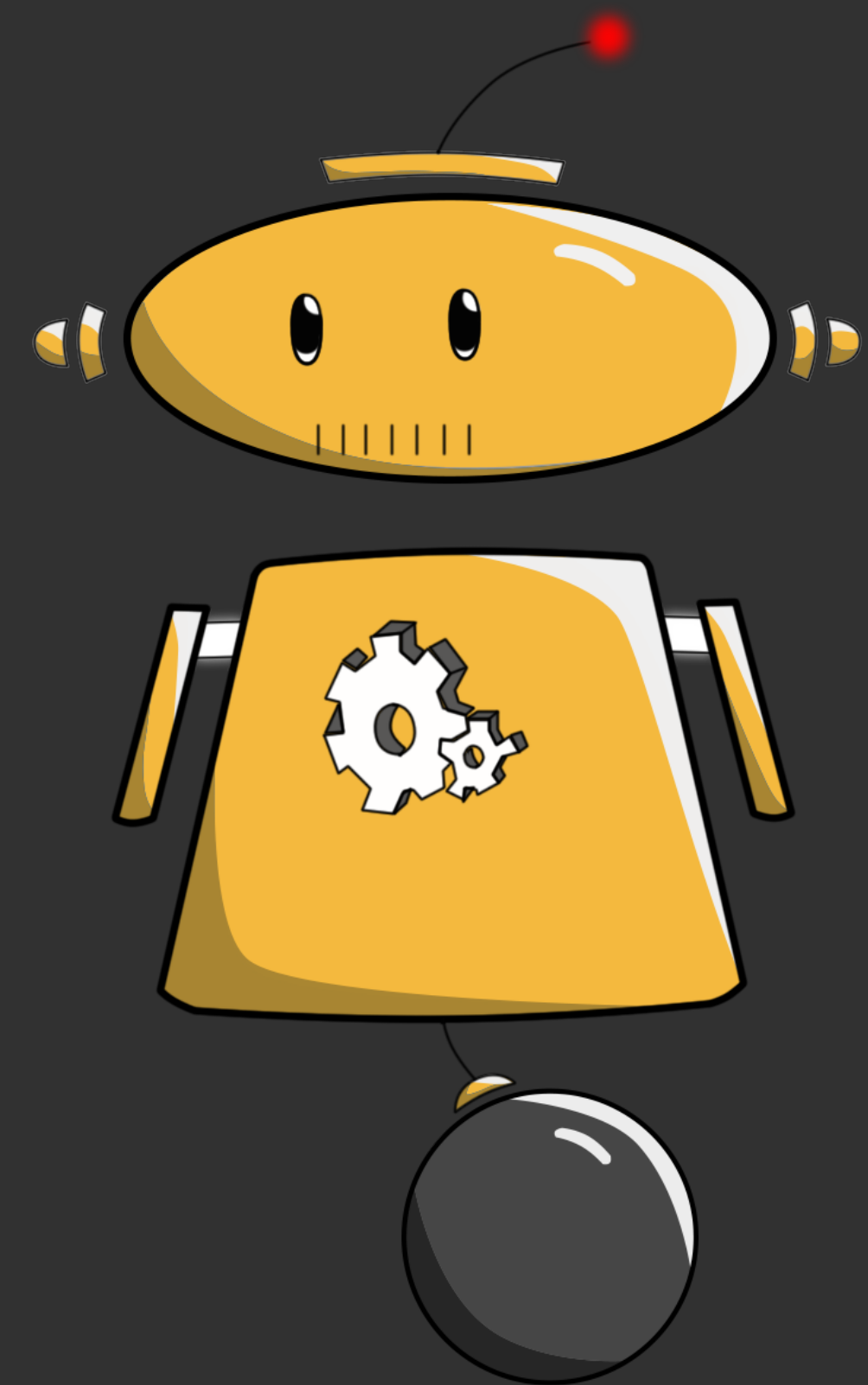
**PAYING  
MAINTAINERS**



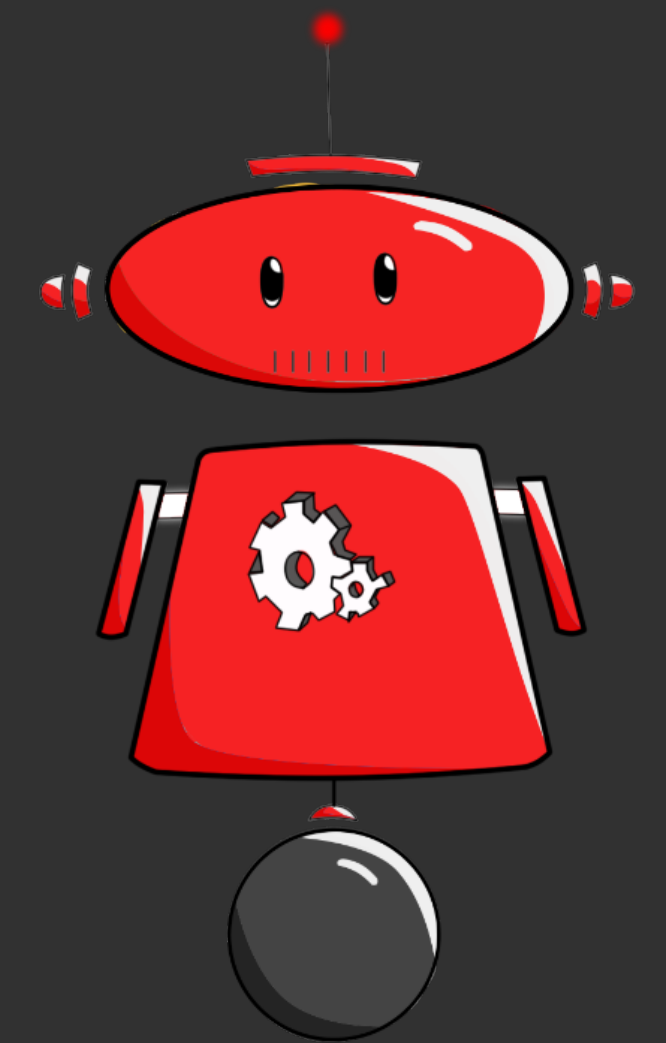
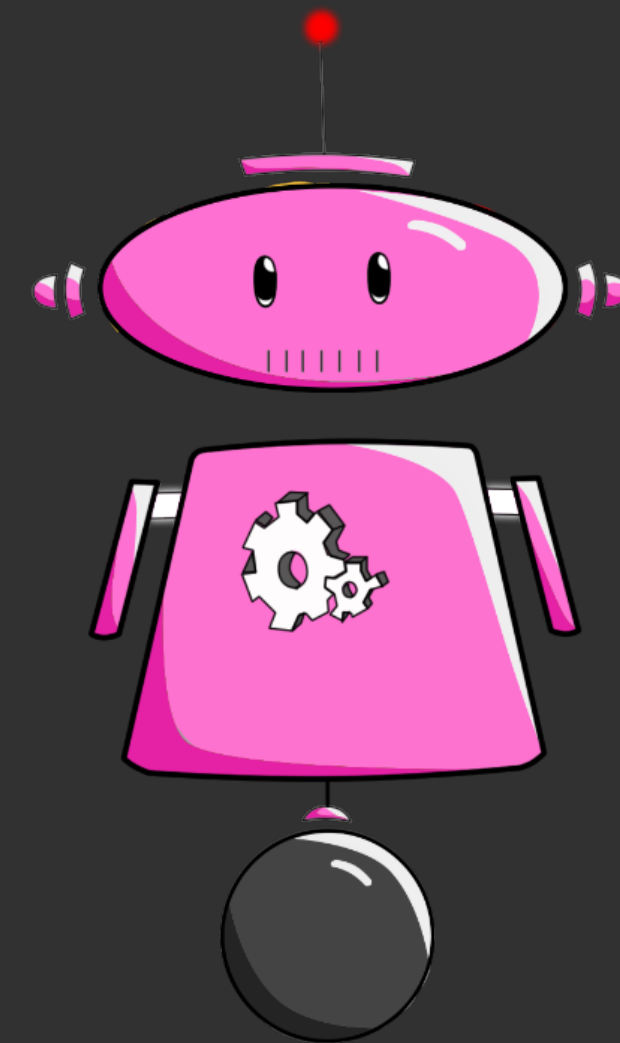
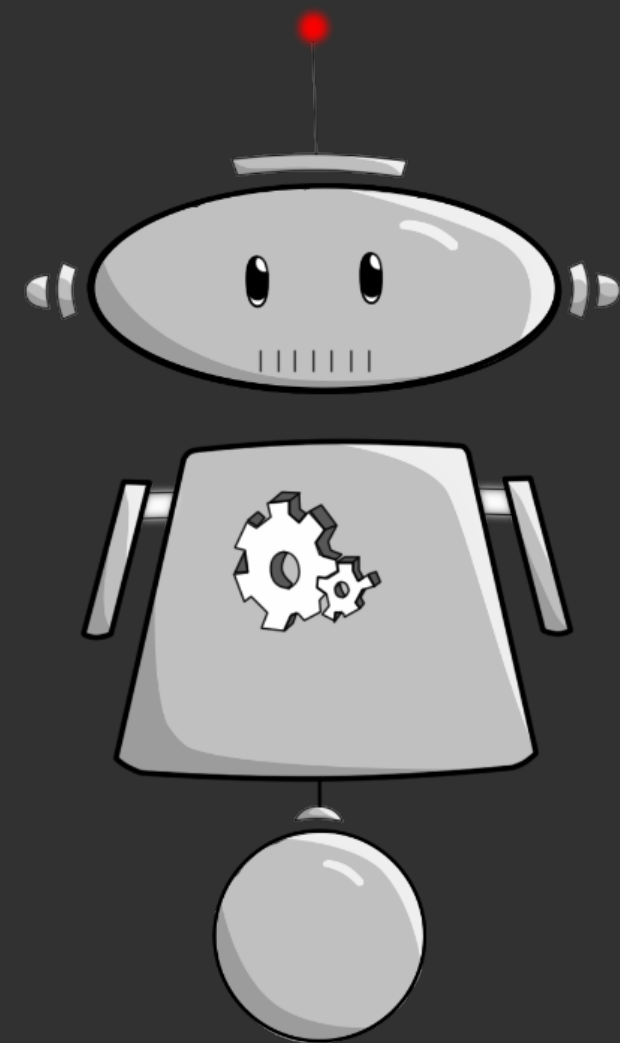
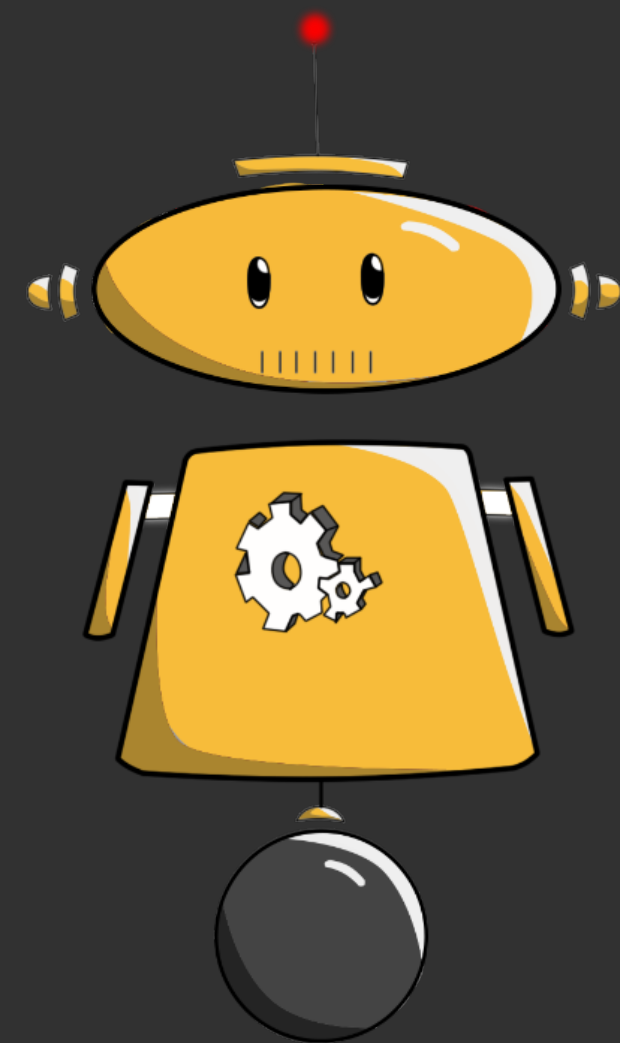
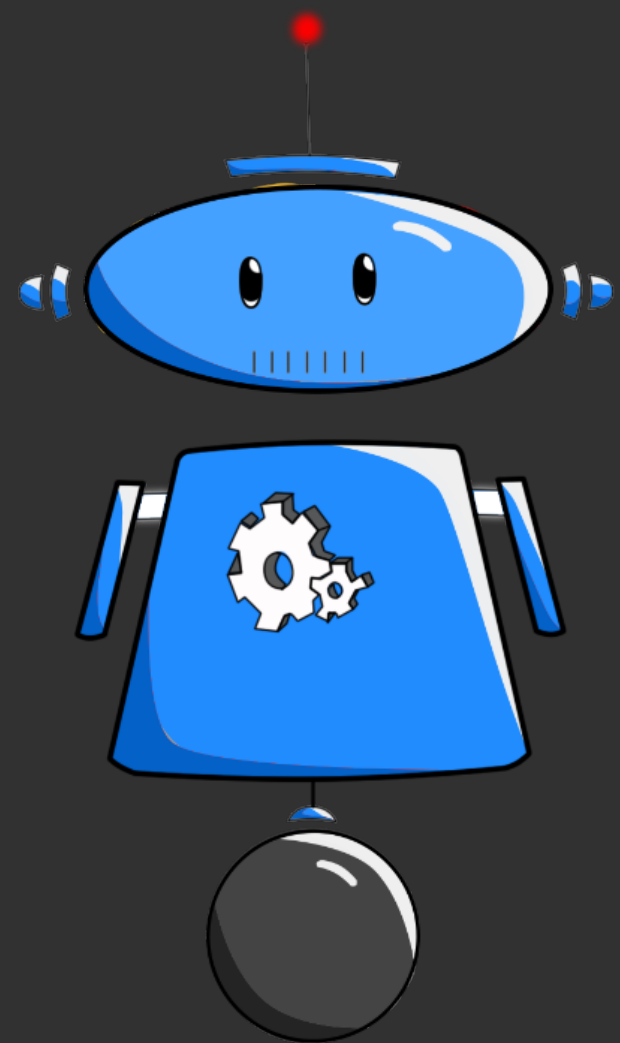


# CREATING MORE MAINTAINERS

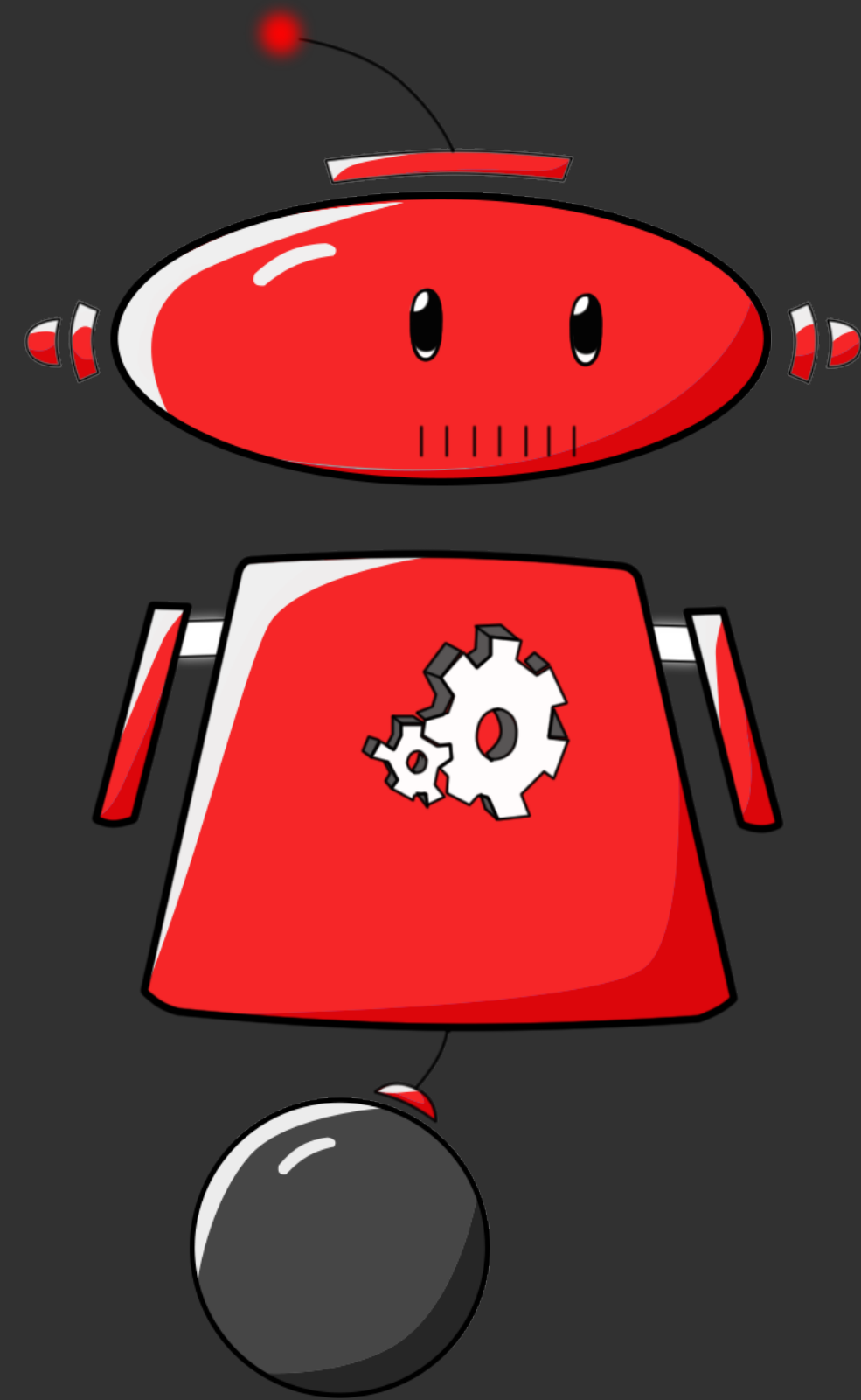
**DIVERSIFY SUPPORT  
VIA A NEUTRAL  
ORGANISATION (NON-  
PROFIT)**



# ROS ECOSYSTEM

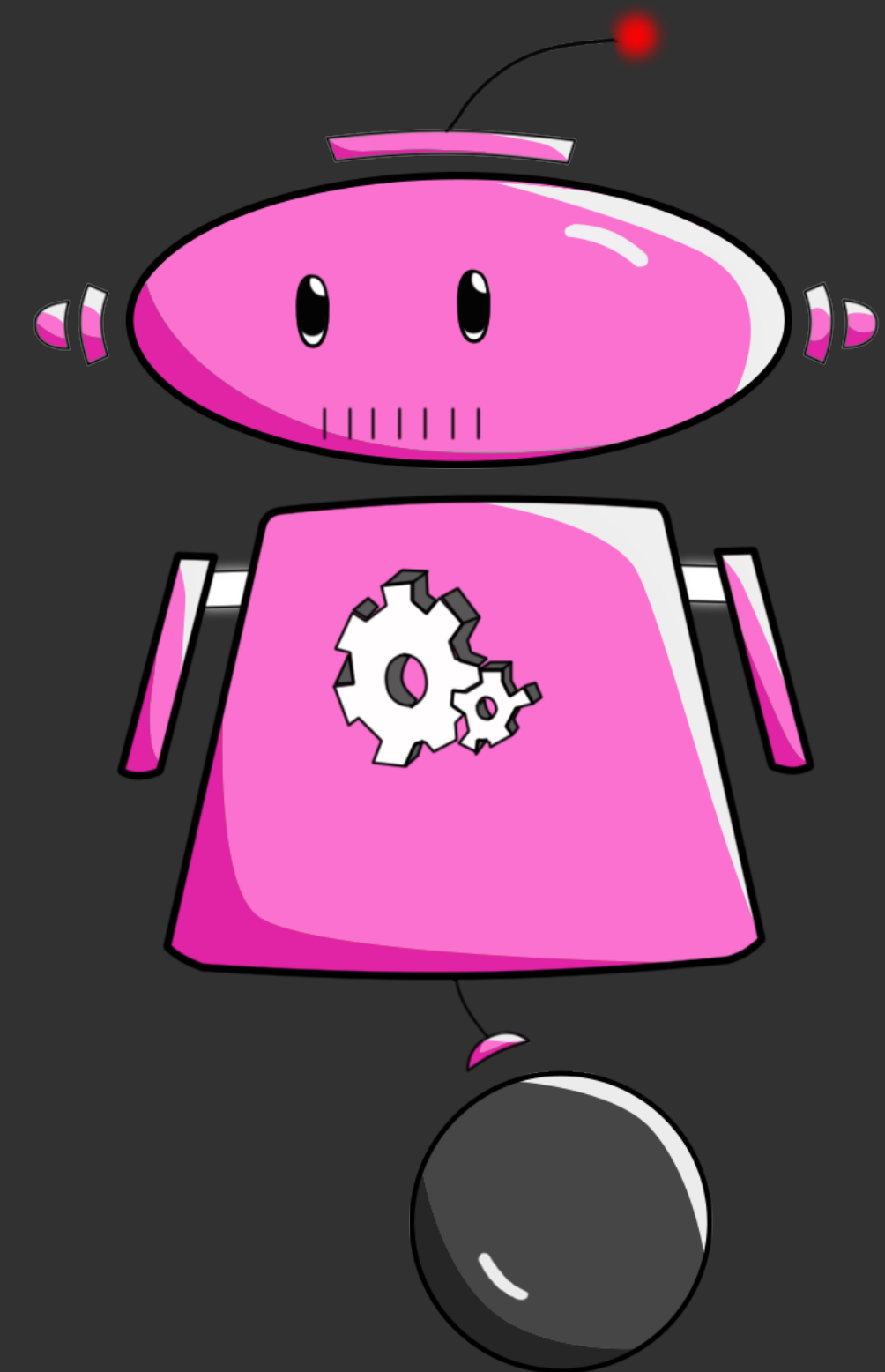


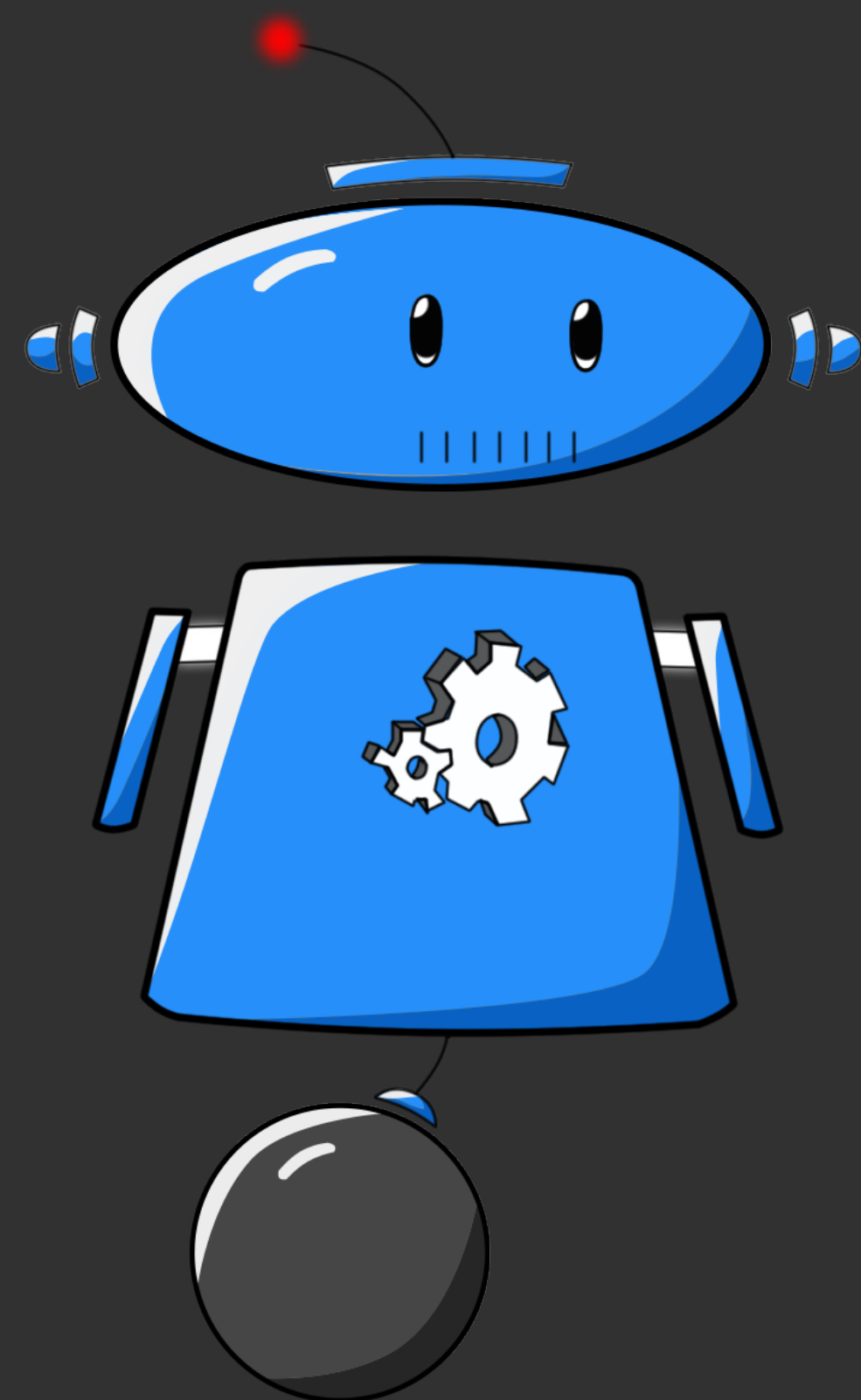




# A QUICK OPEN ROBOTICS HISTORY LESSON

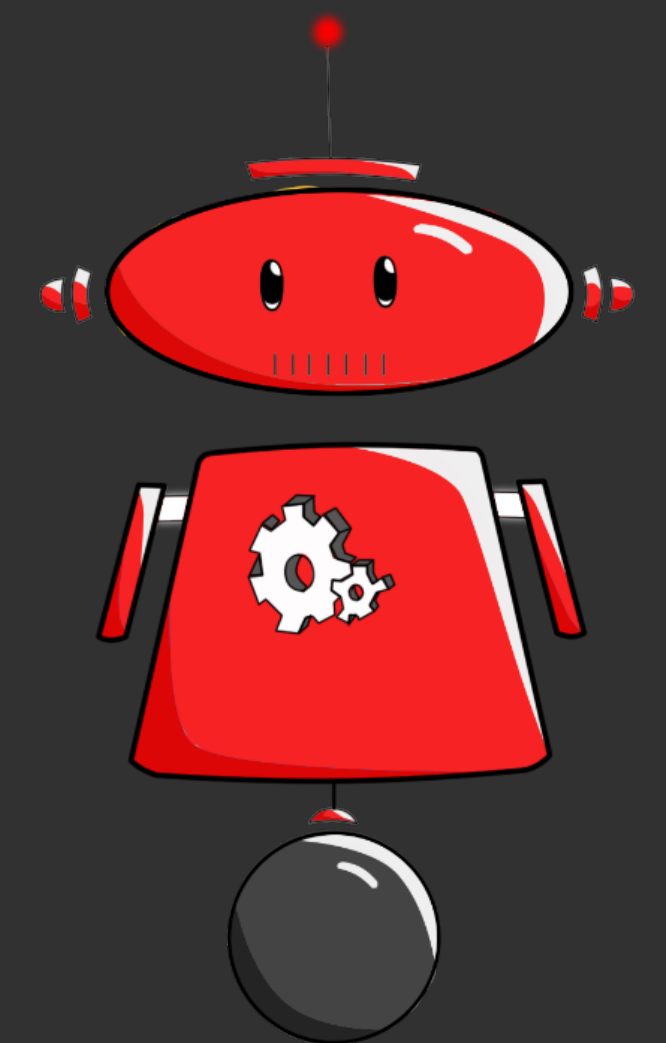
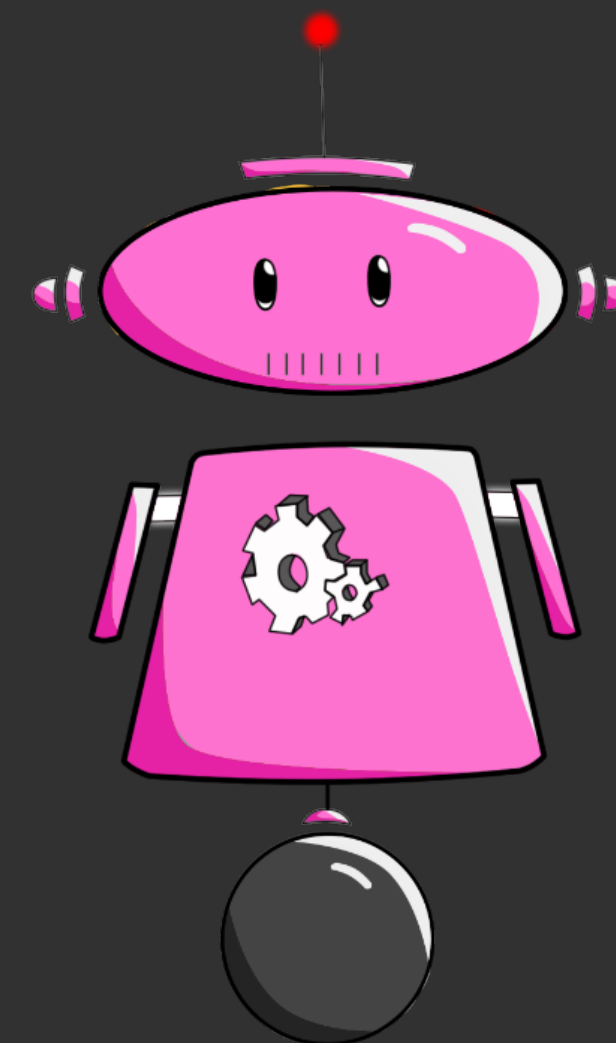
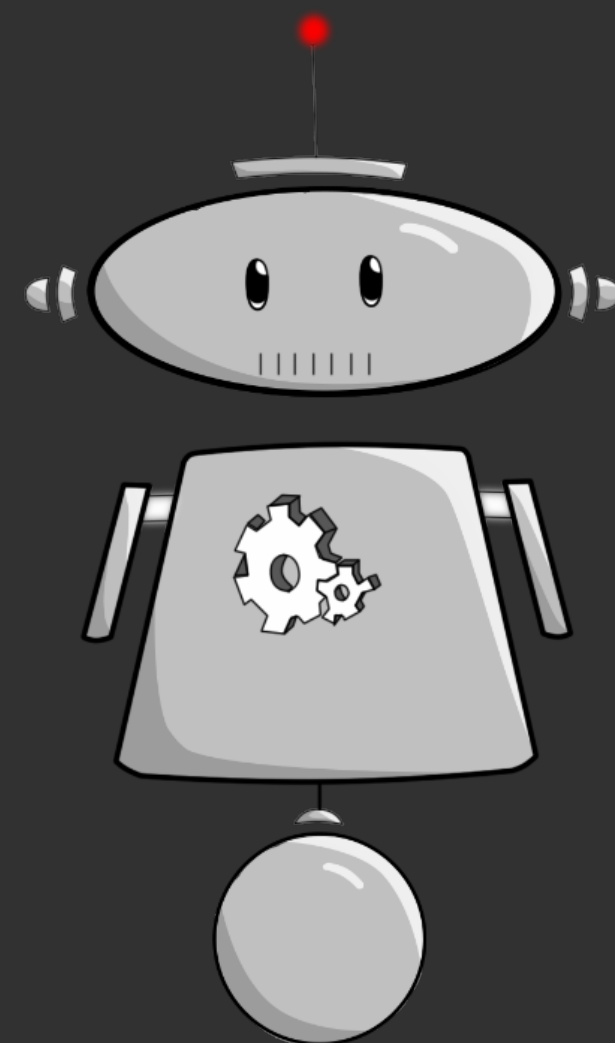
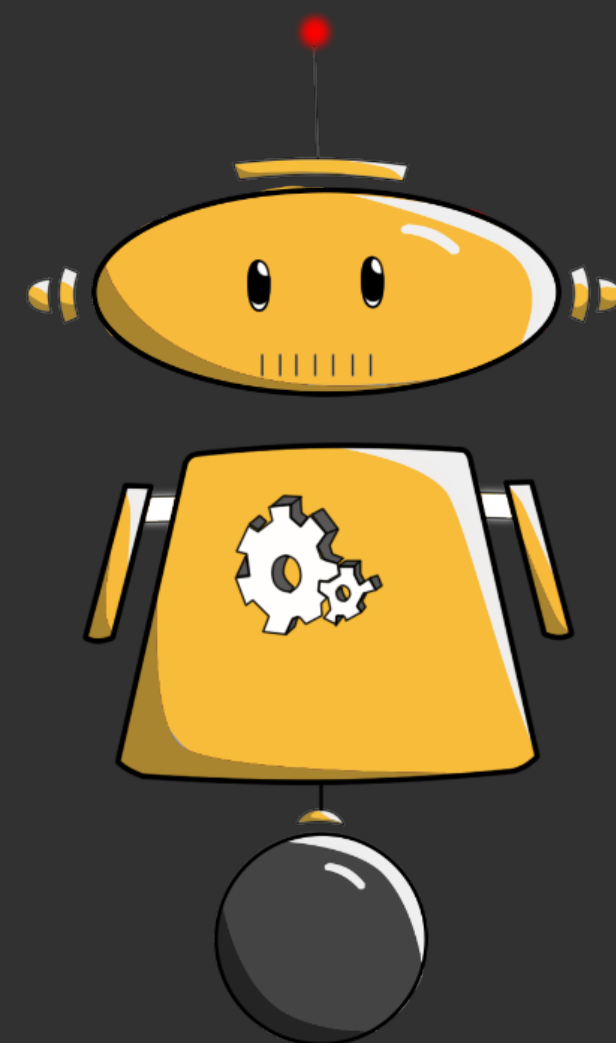
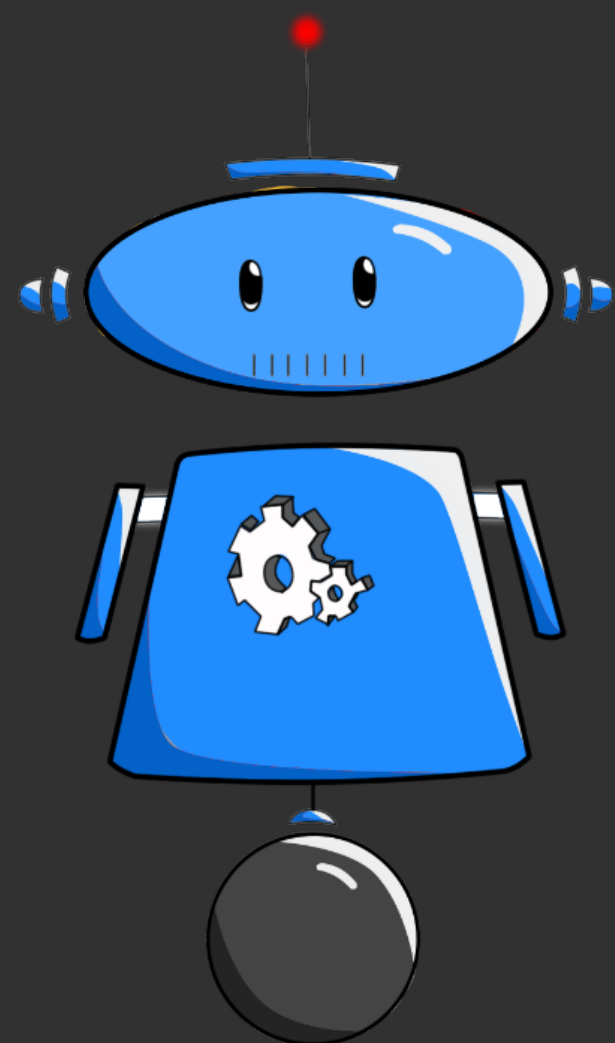
**FUND ROS FOR  
THE LONG TERM**



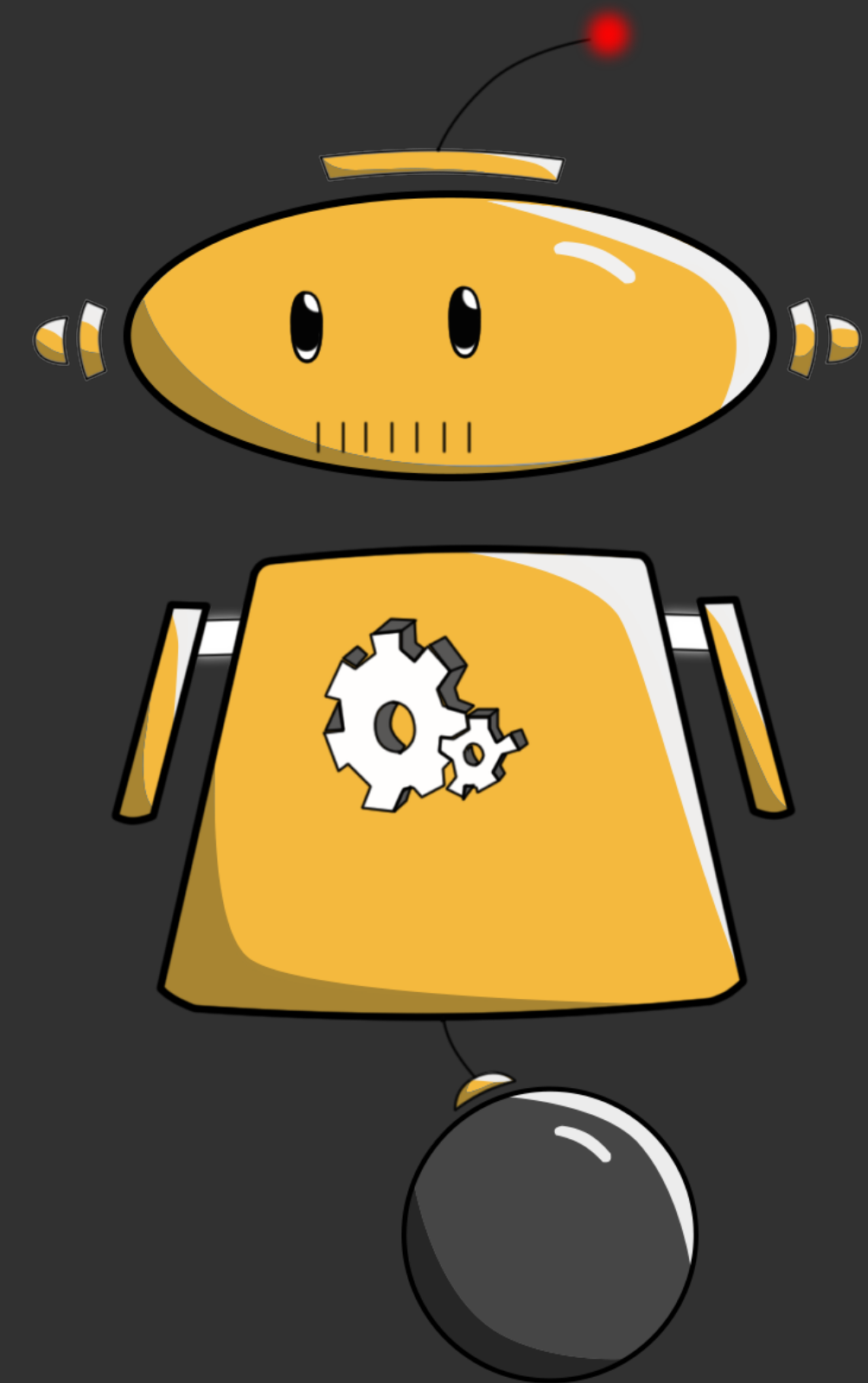


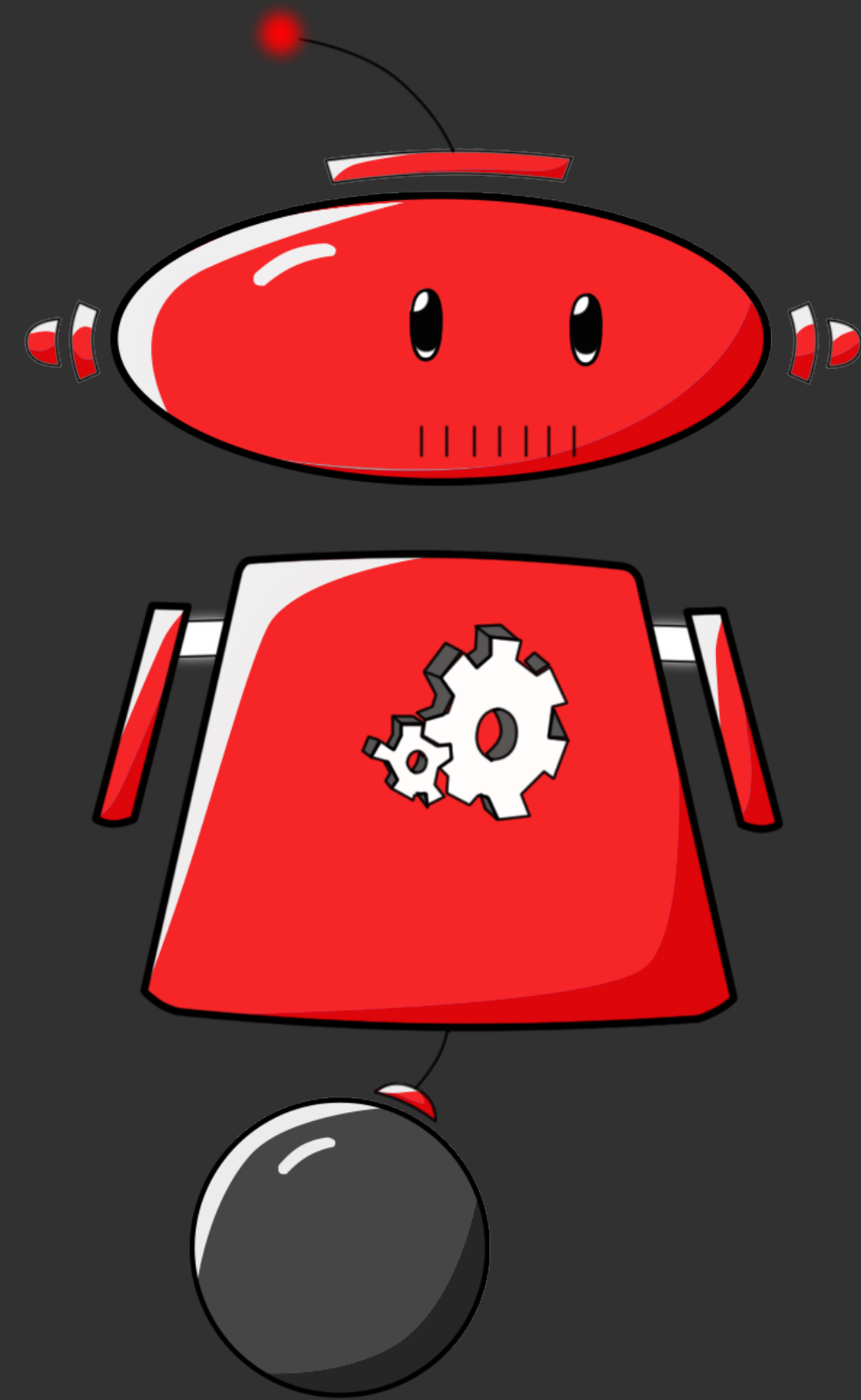
**WELCOME  
ADDITIONAL  
SUPPORTERS**

# OPEN SOURCE ROBOTICS ALLIANCE (OSRA)



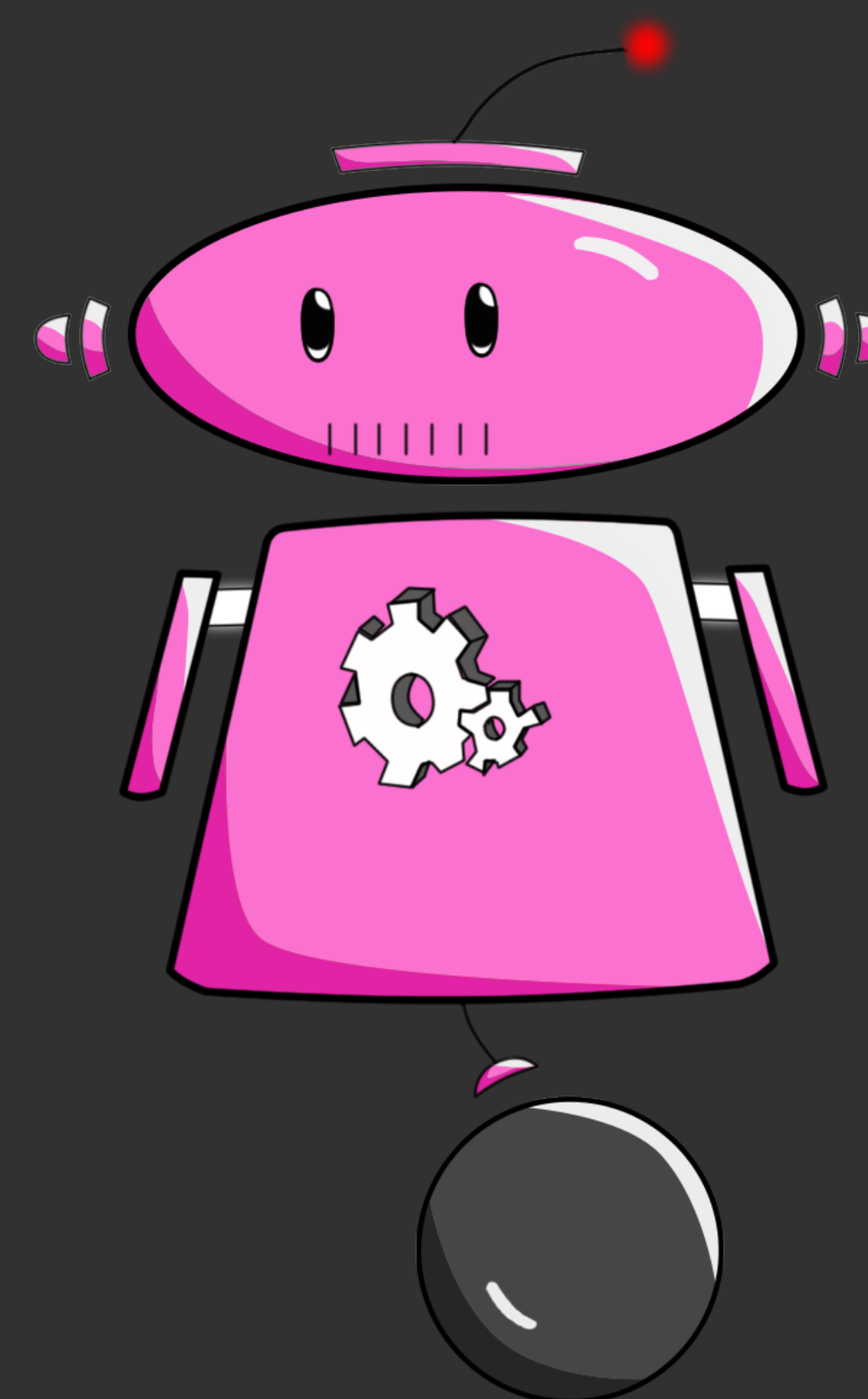
**A SUSTAINABLE  
FOUNDATION FOR THE  
ENTIRE ROS ECOSYTEM**

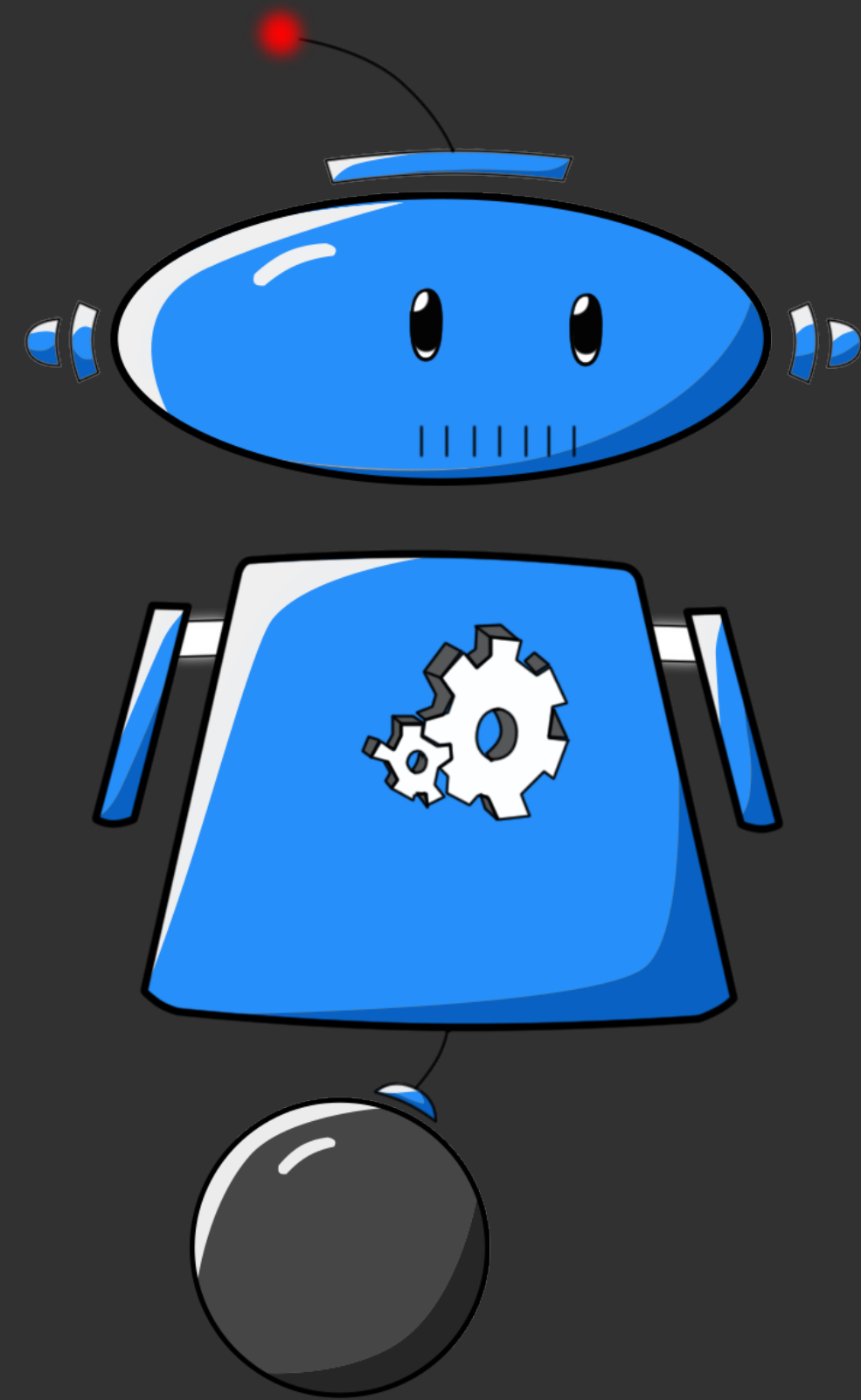




# VARIED FUNDING SOURCES

**MORE  
TRANSPARENT  
GOVERNANCE**

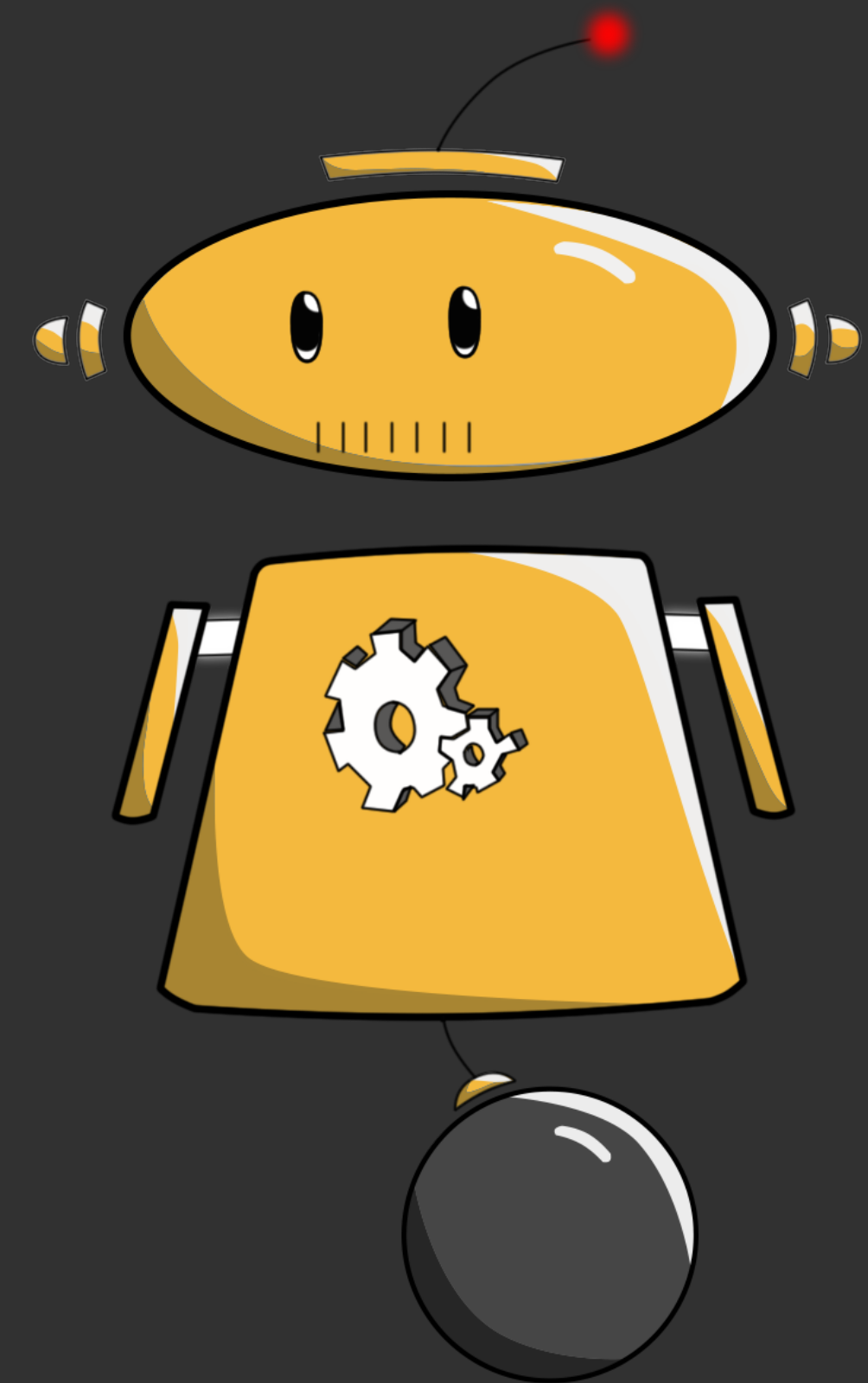




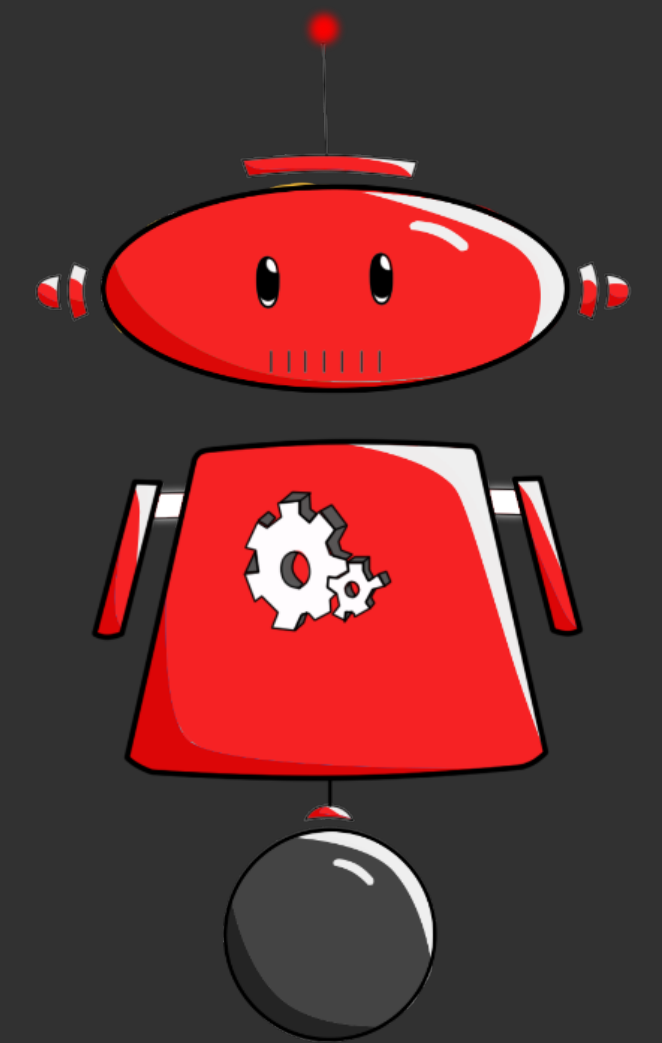
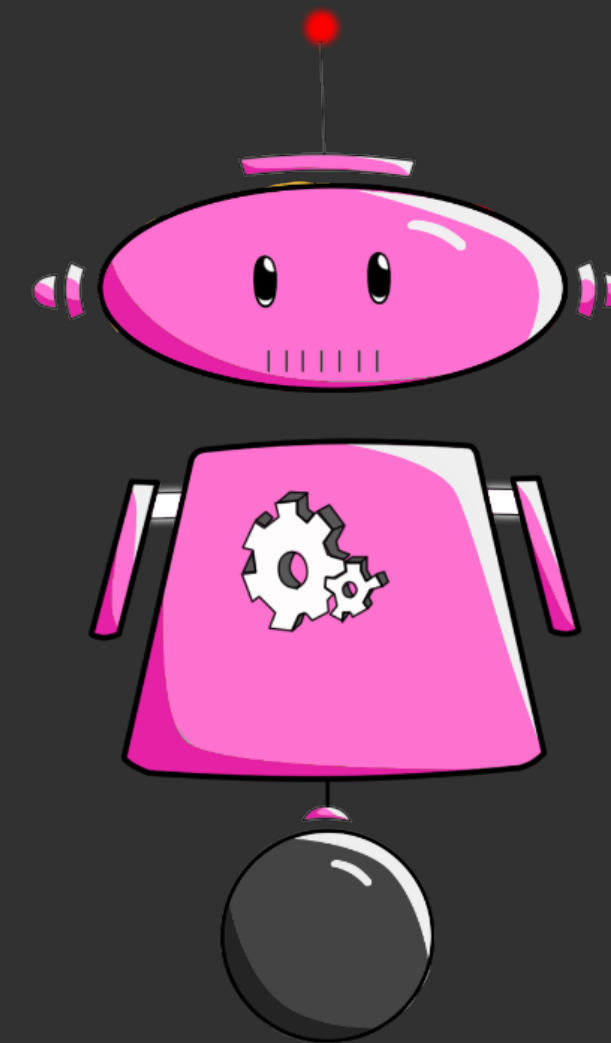
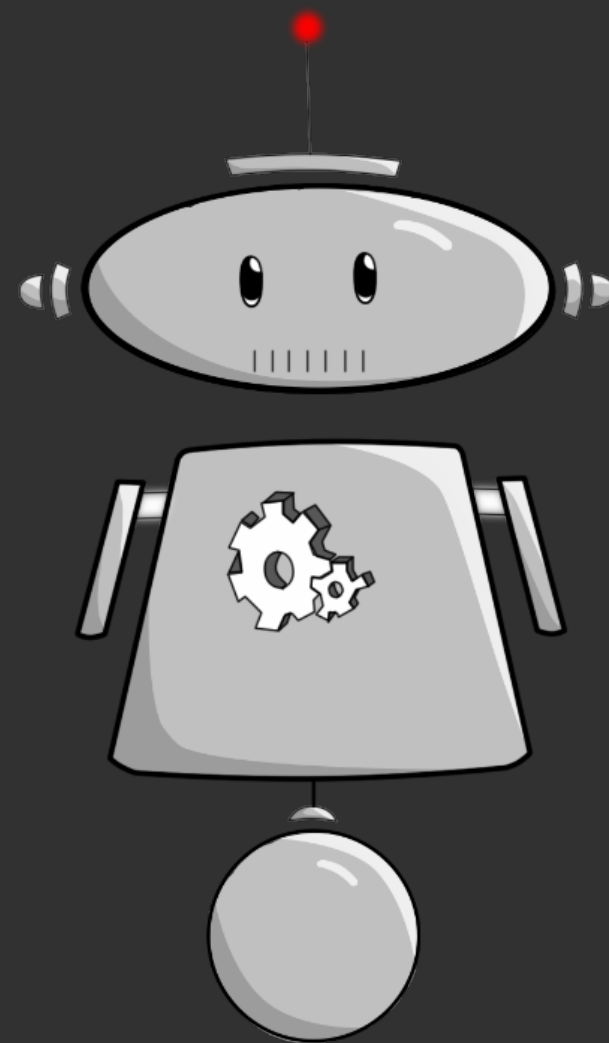
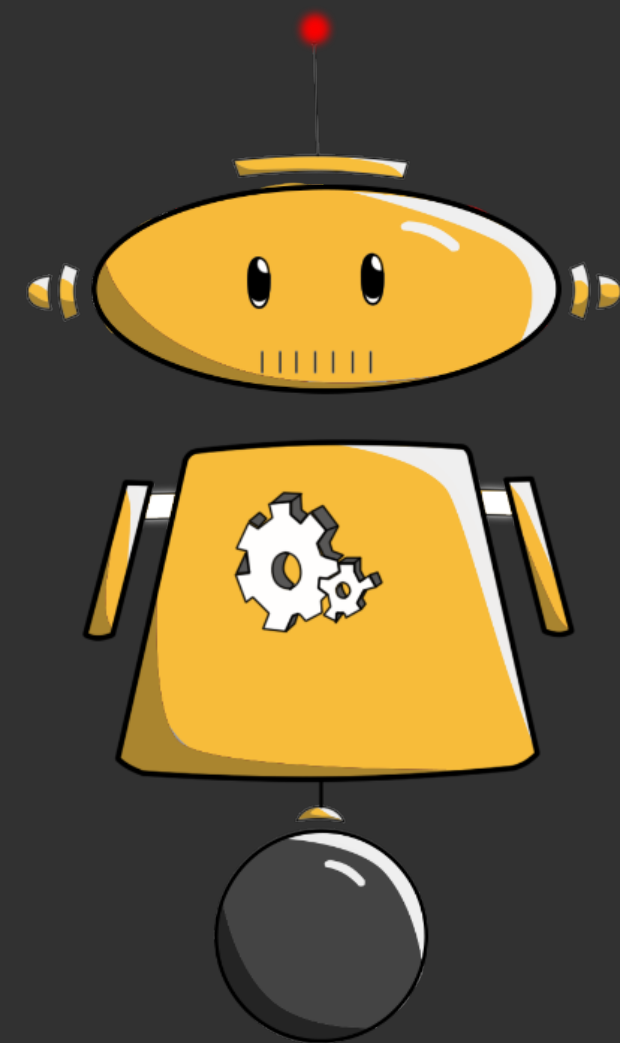
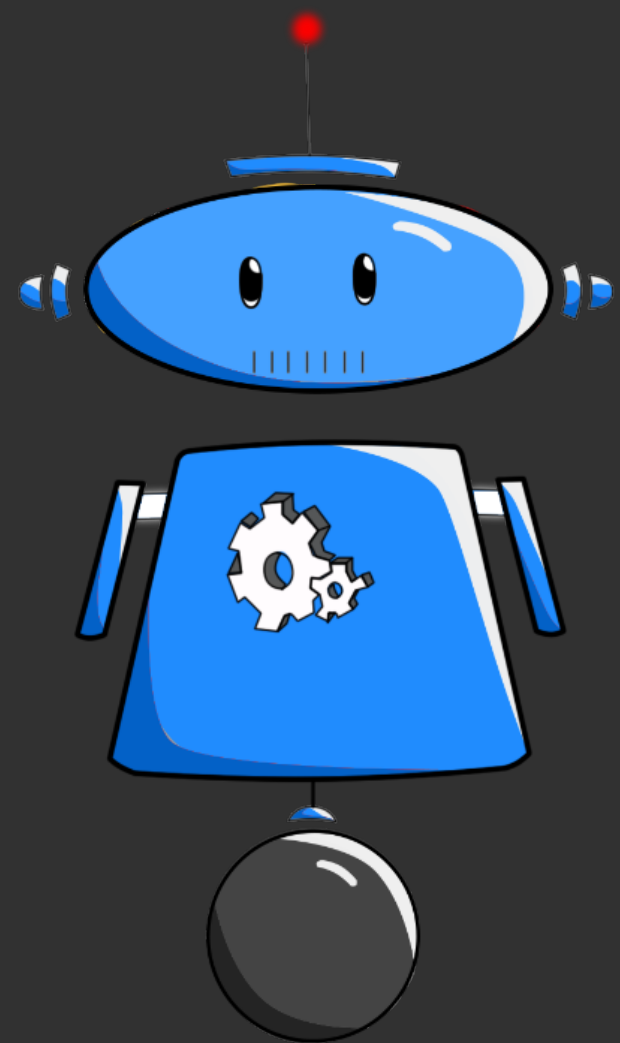
# DIVERSITY OF OPINIONS

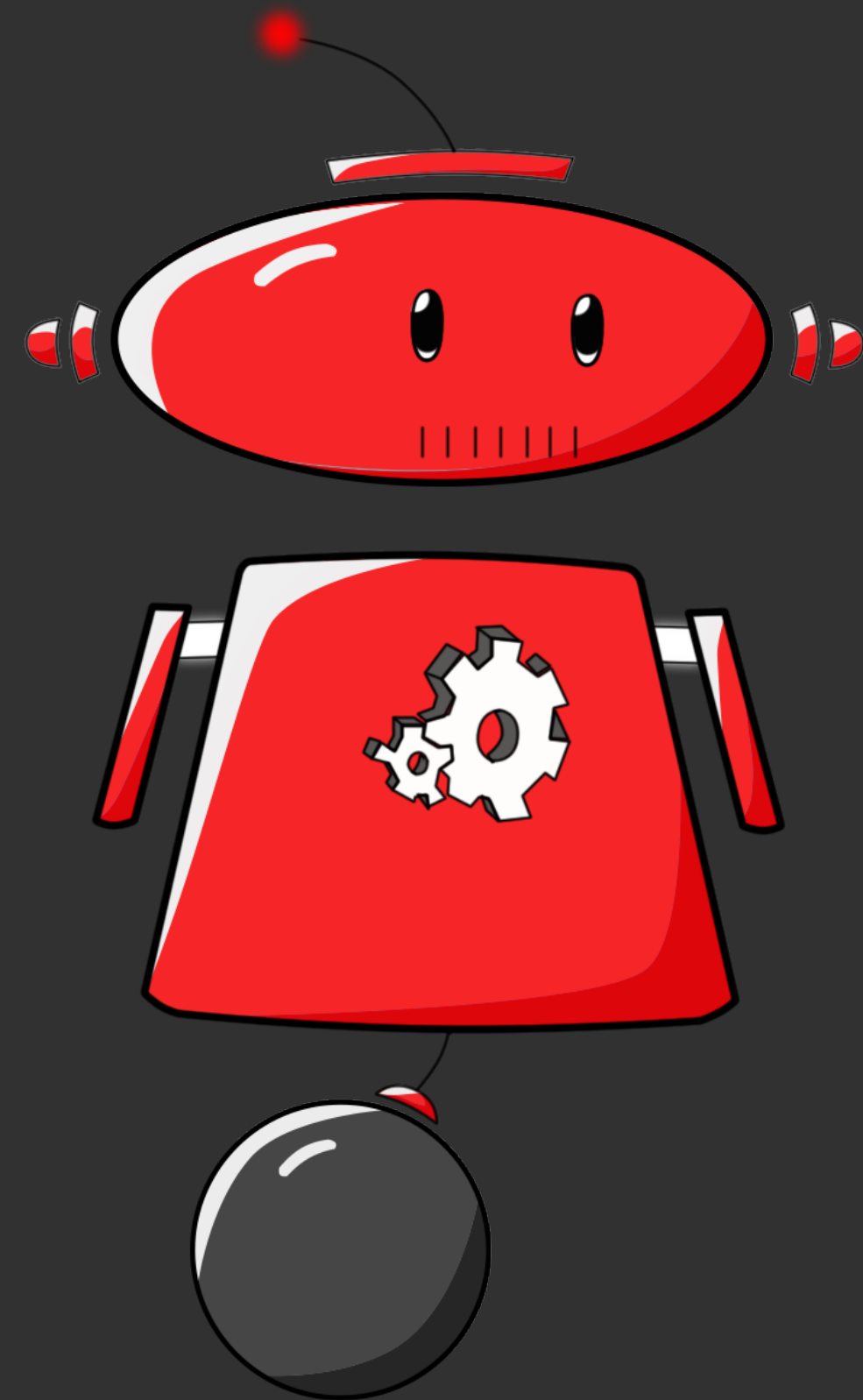


# A SUSTAINABLE ROS ECOSYSTEM



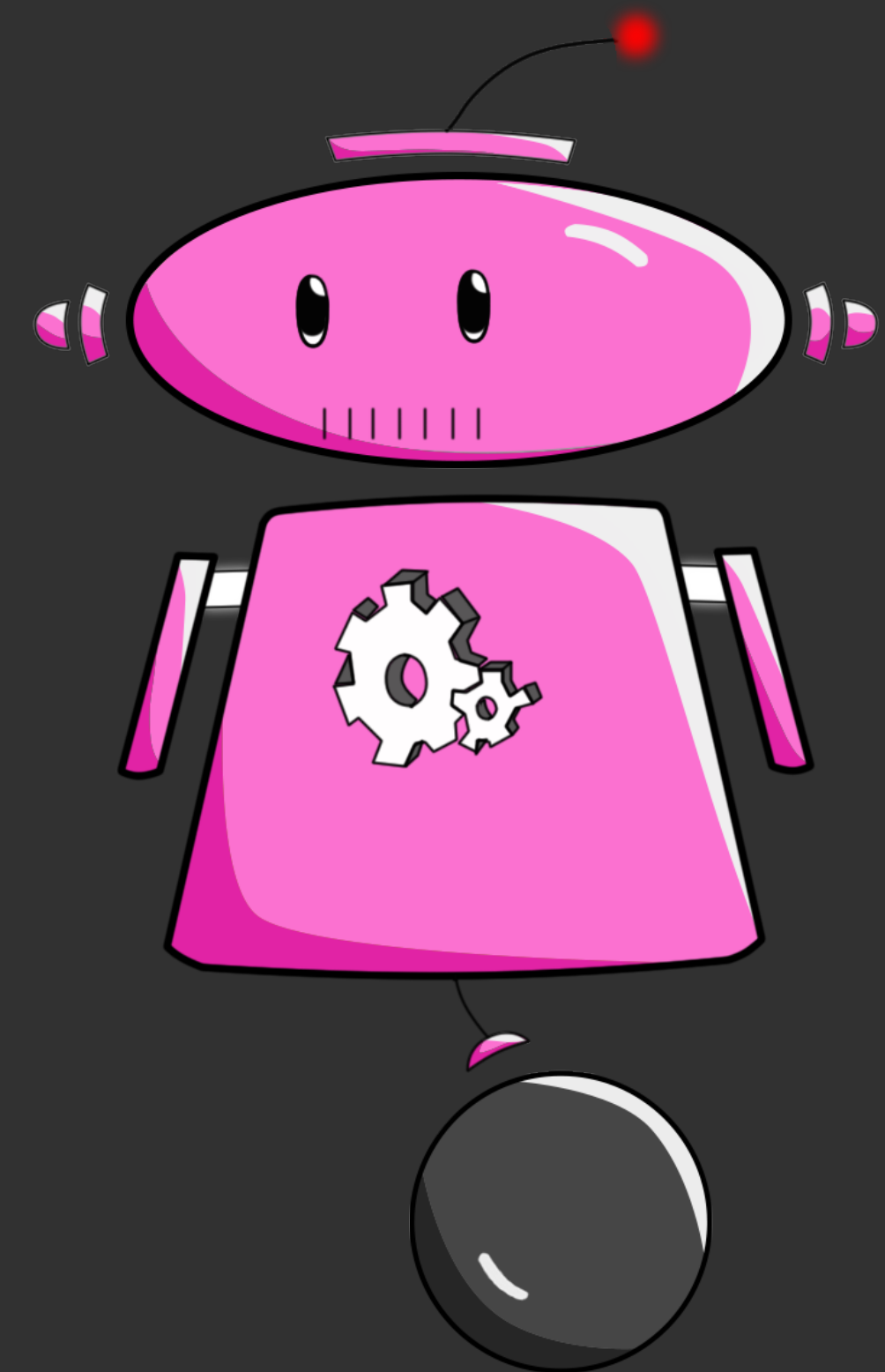
# WHAT YOU CAN DO

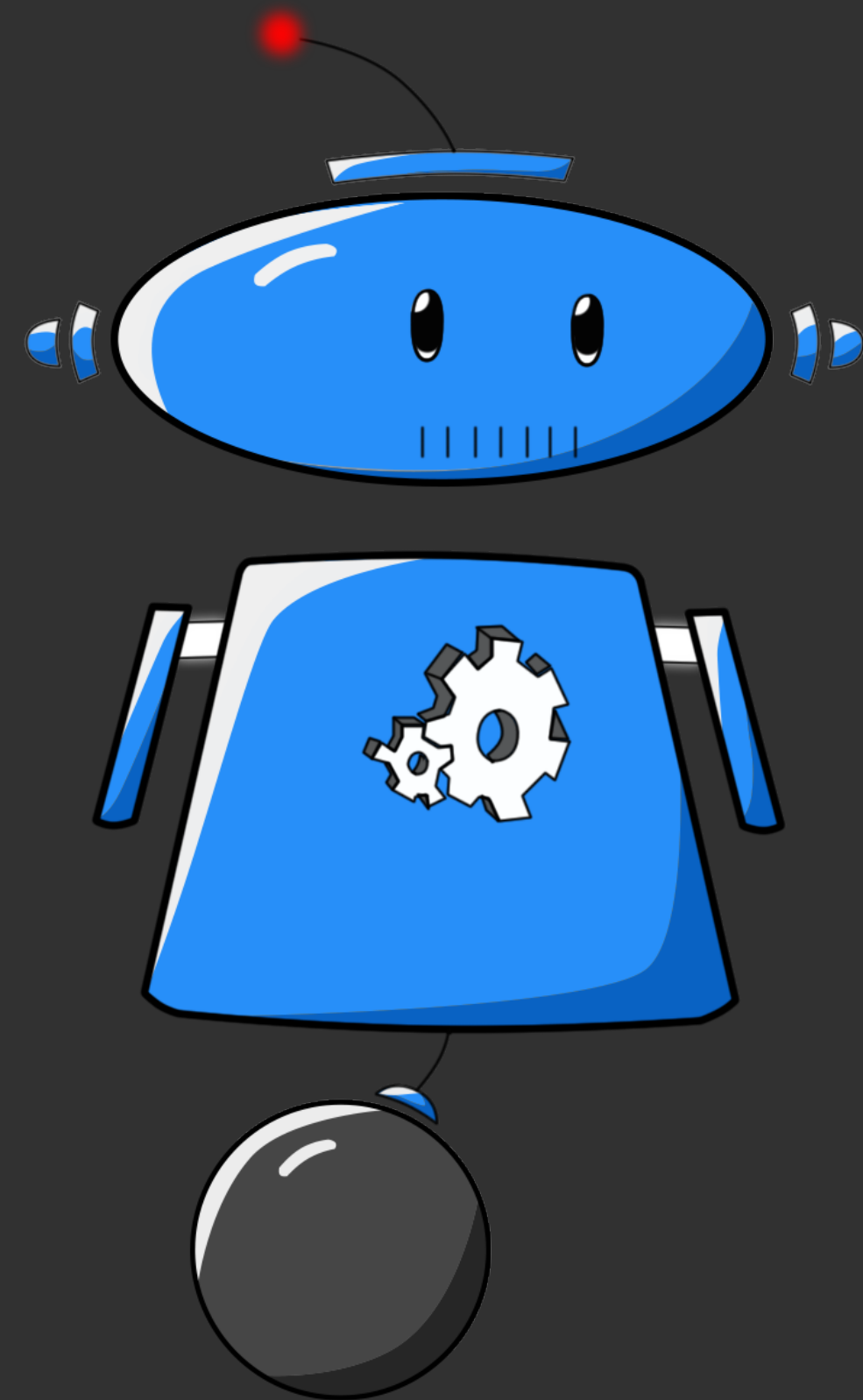




**SUPPORT THE OPEN  
SOURCE PROJECTS  
YOU RELY ON**

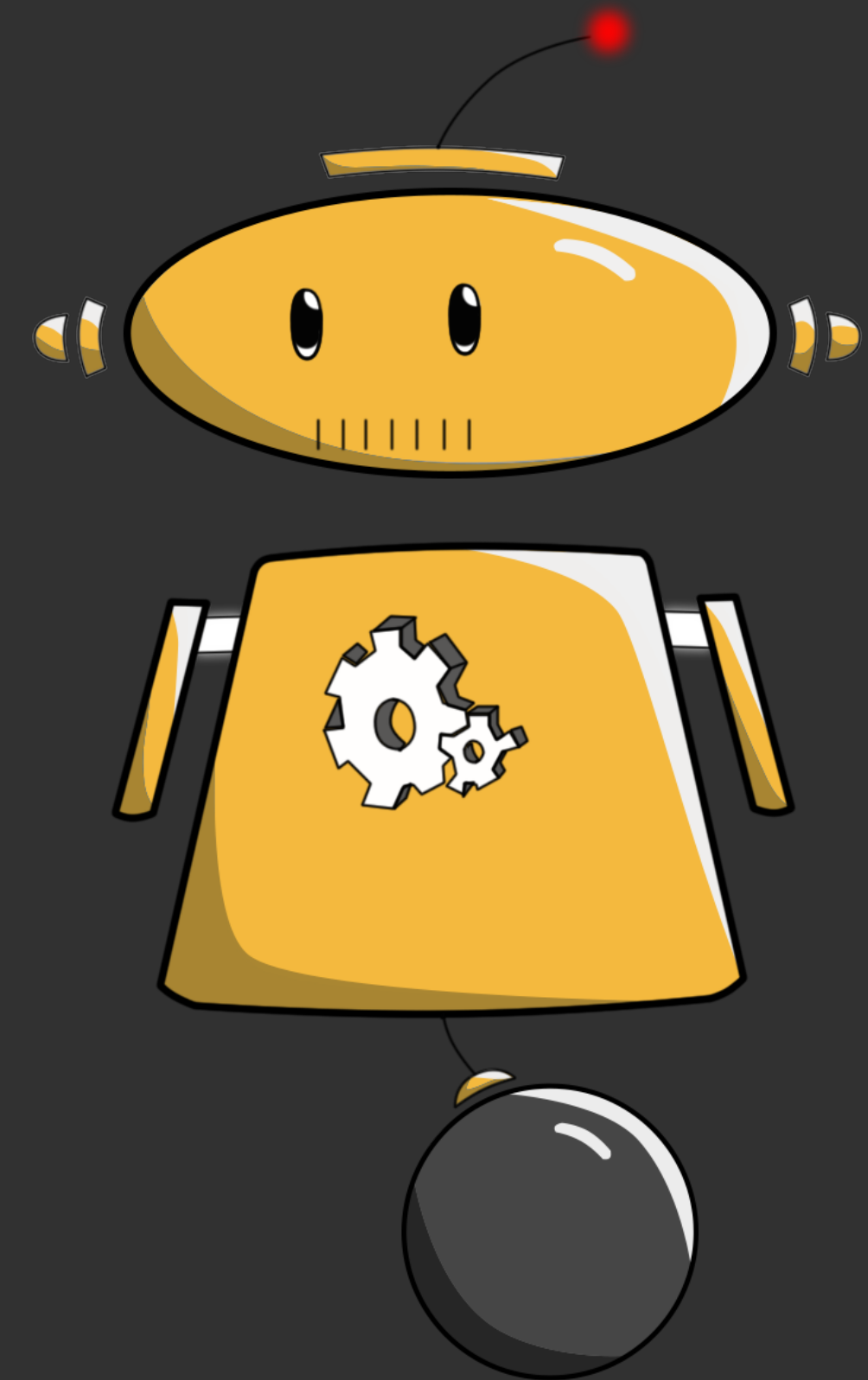
**CONTRIBUTE  
YOUR TIME**

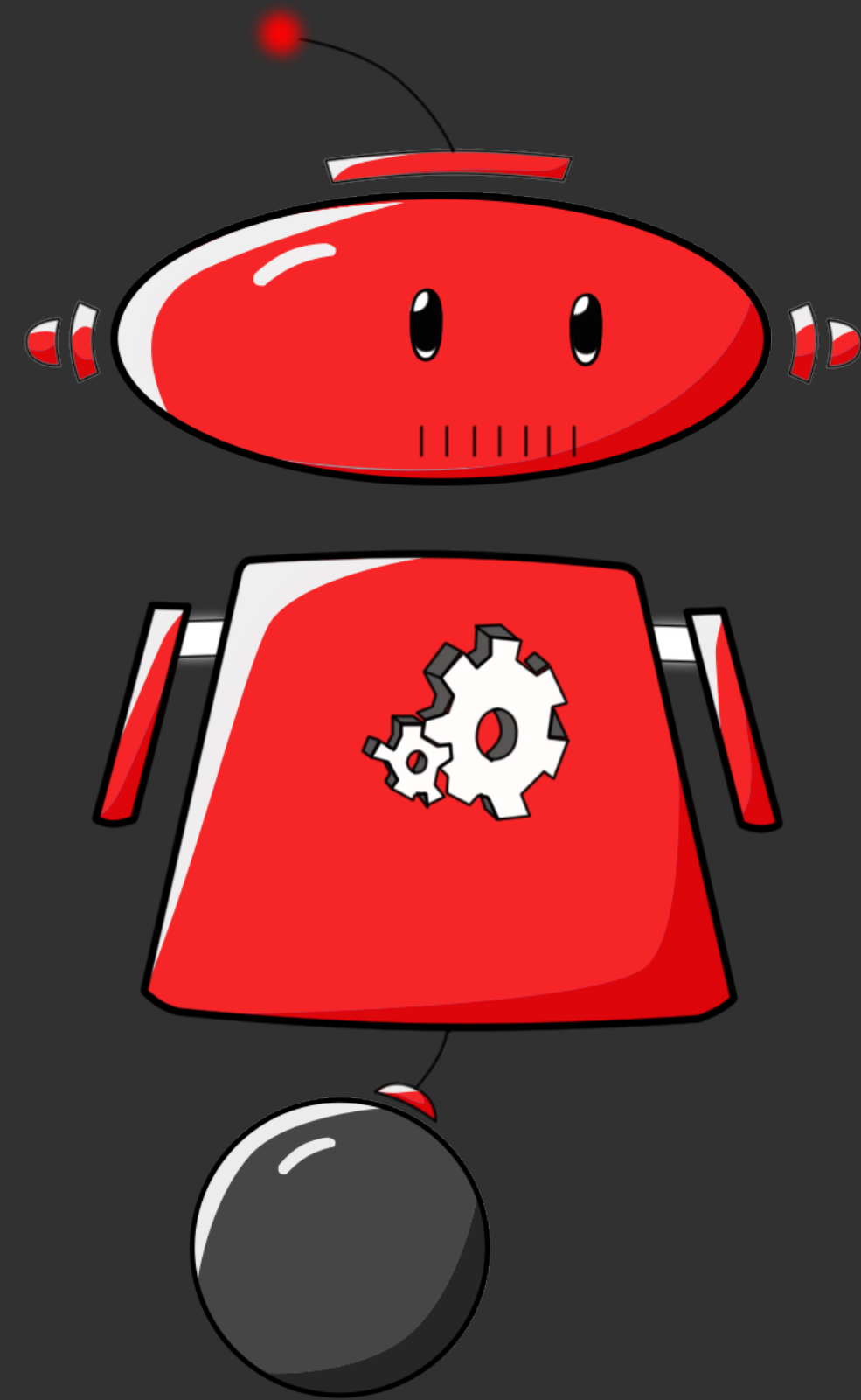




# PAY MAINTAINERS

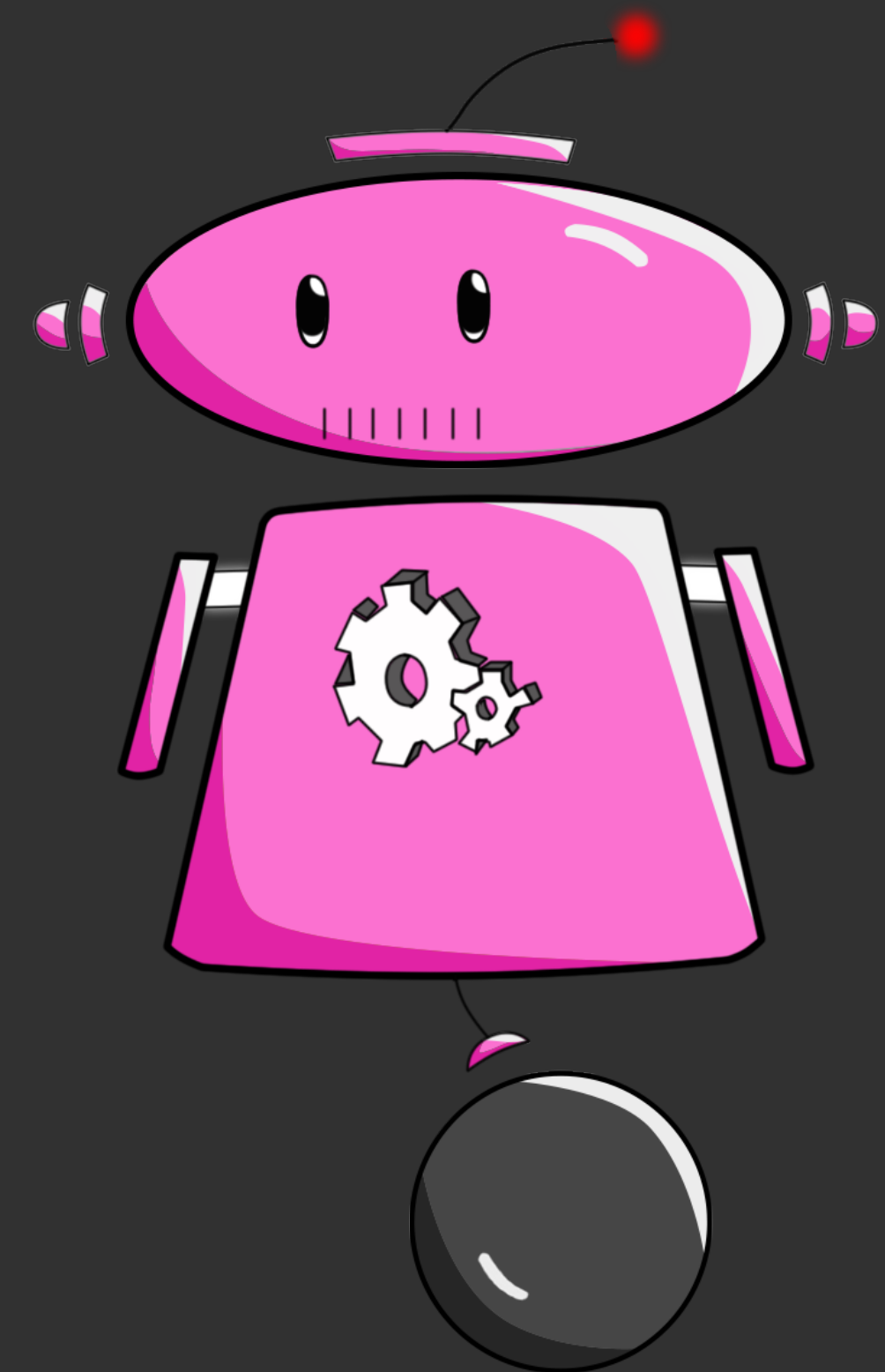
**SAY THANK YOU**





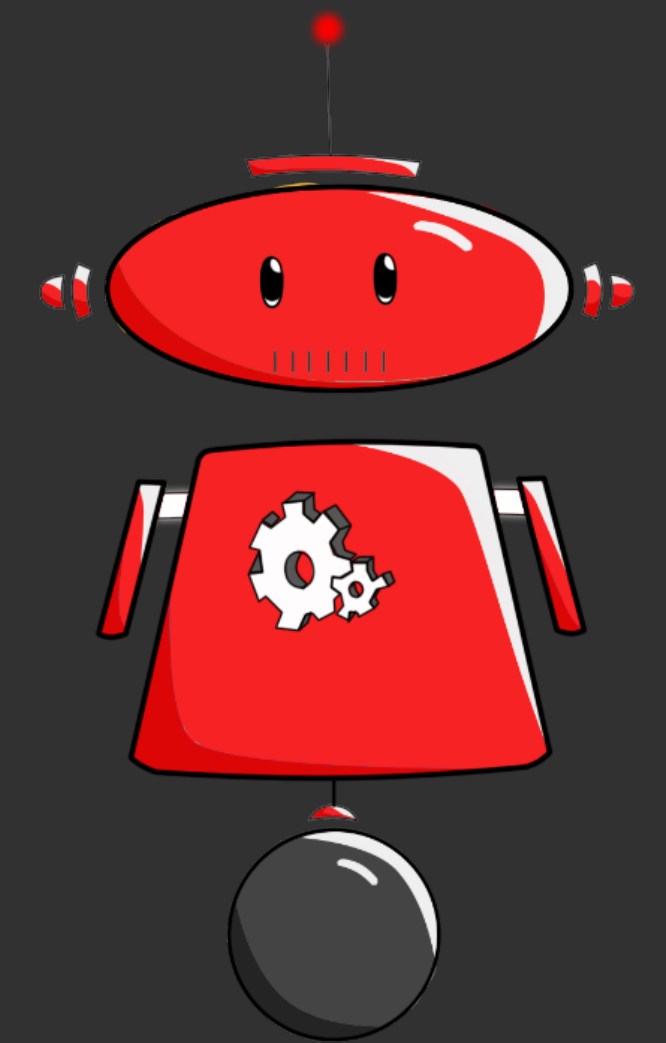
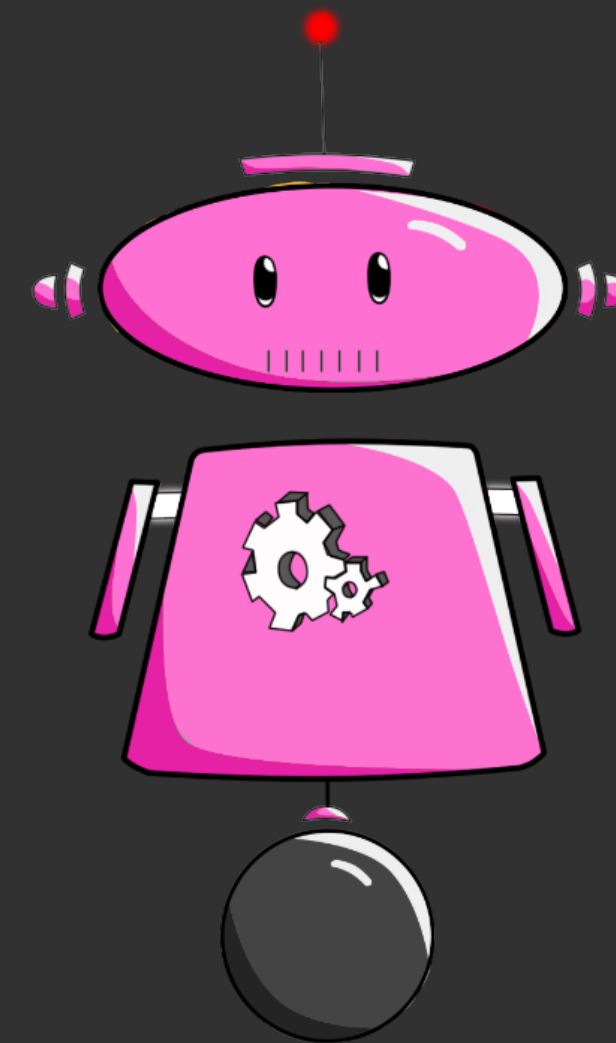
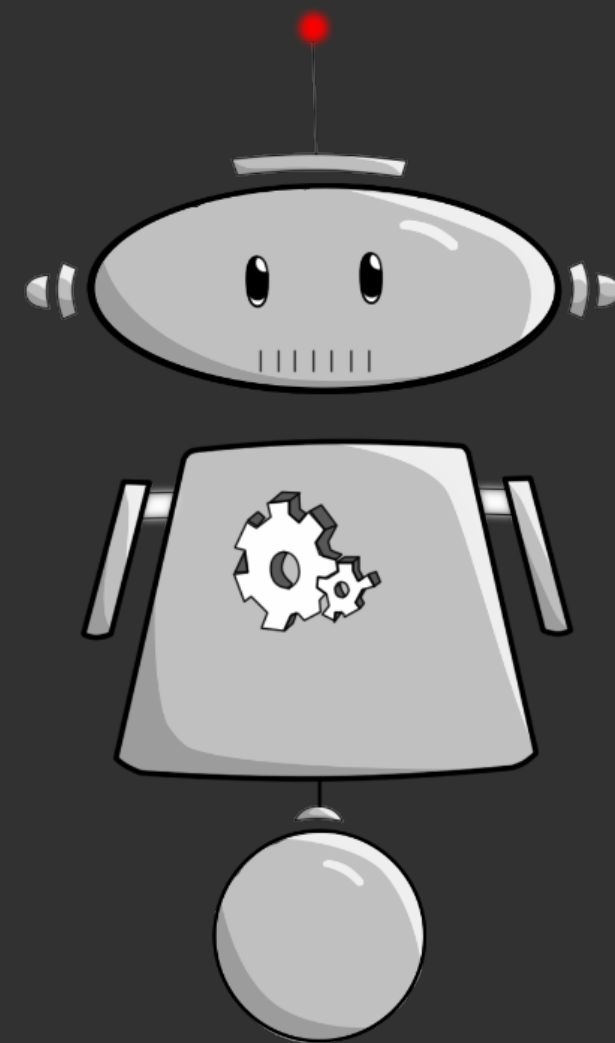
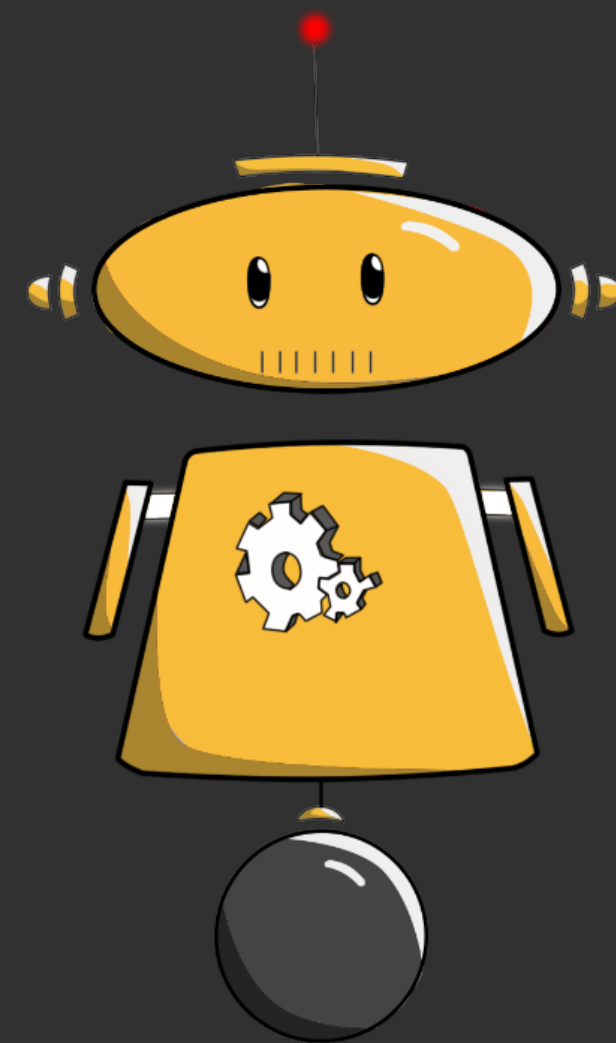
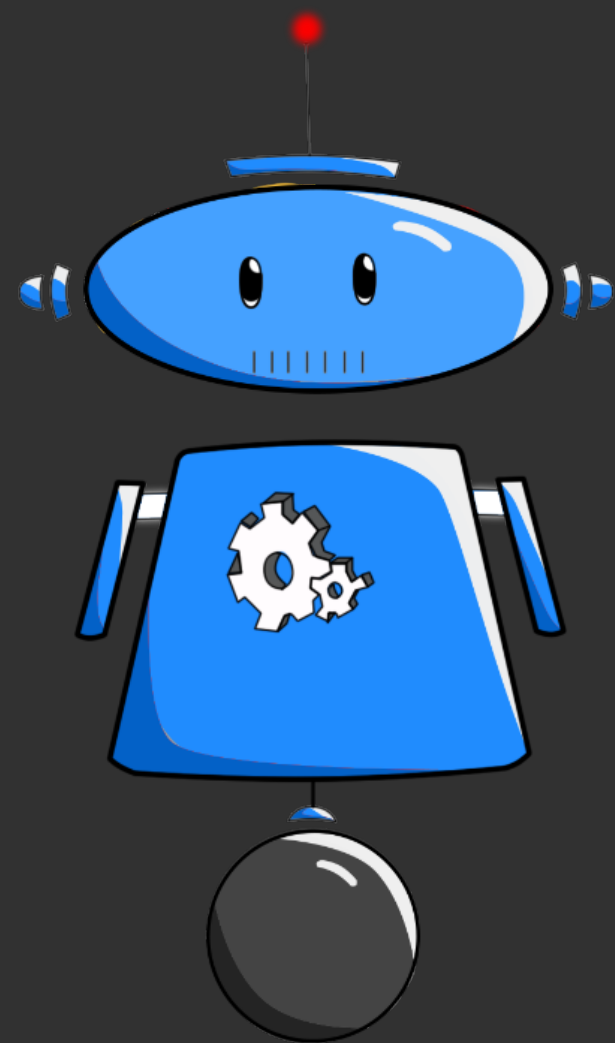
**TELL OTHERS**

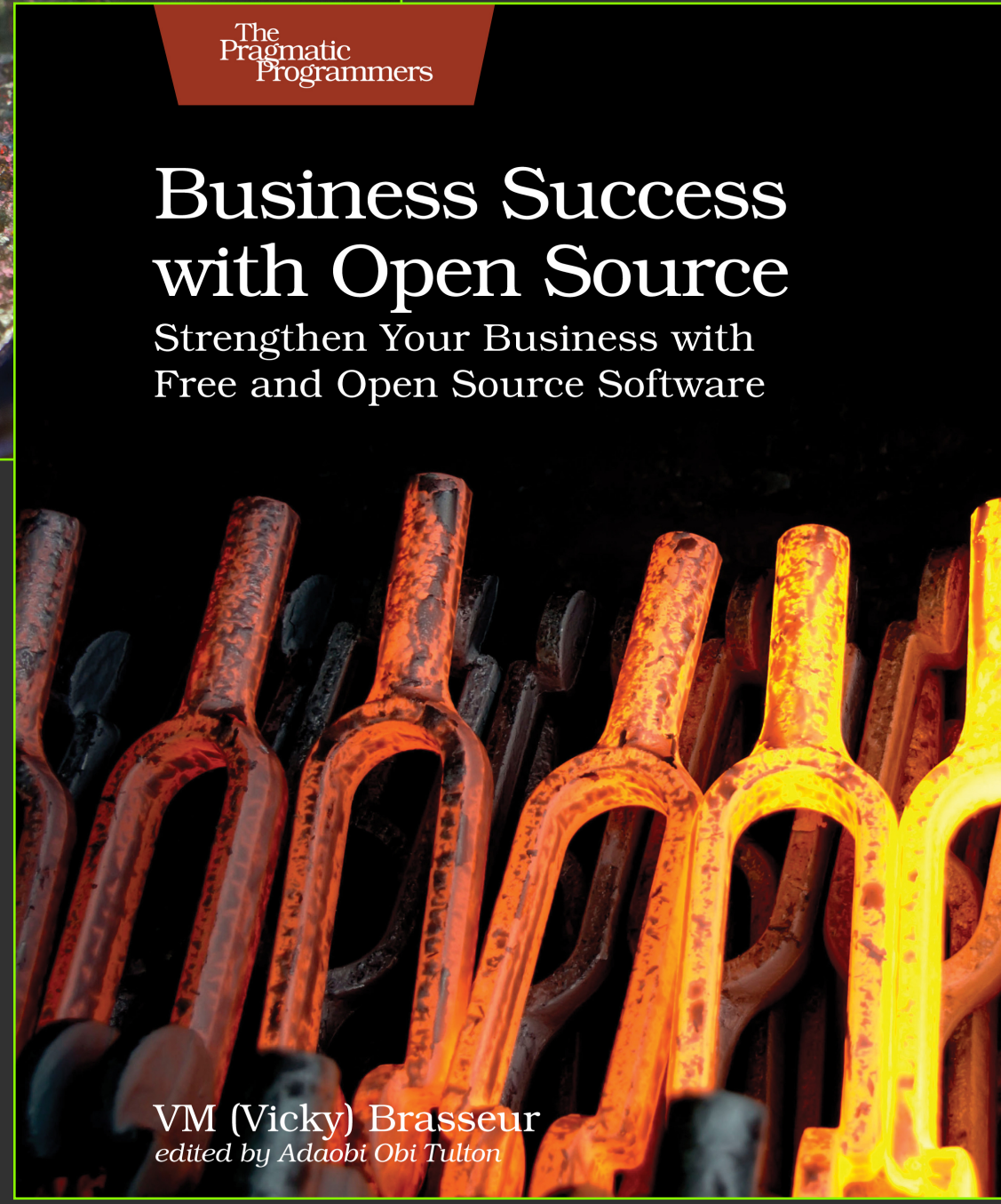
**JOIN OSRA AND  
ITS COMMUNITY**





THANK YOU

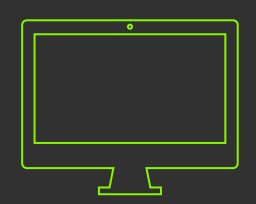




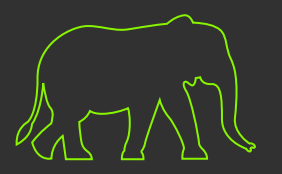
[fossbooks.com](https://fossbooks.com)

# VM (Vicky) Brasseur

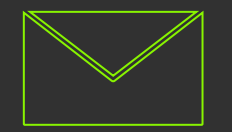
[semios.com](https://semios.com)



<https://archive.org/details/rosconjp2024-keynote>

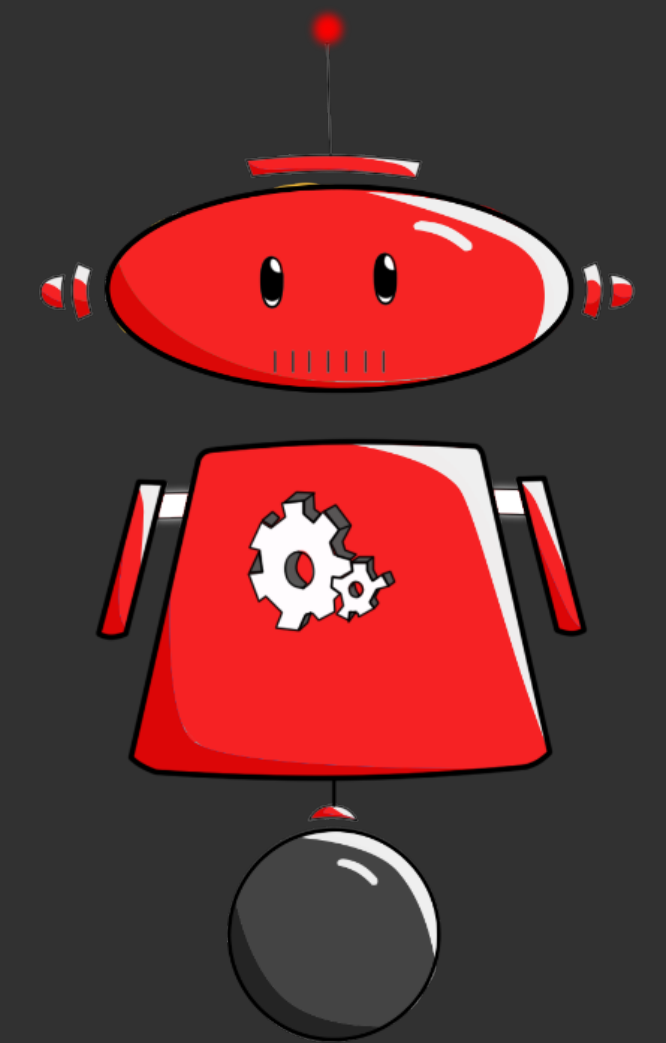
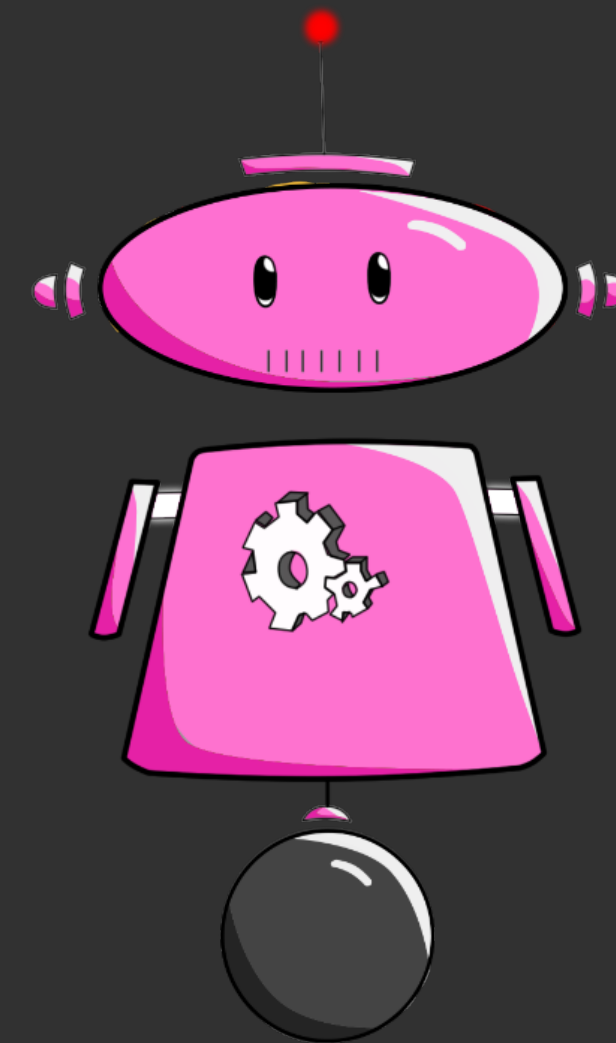
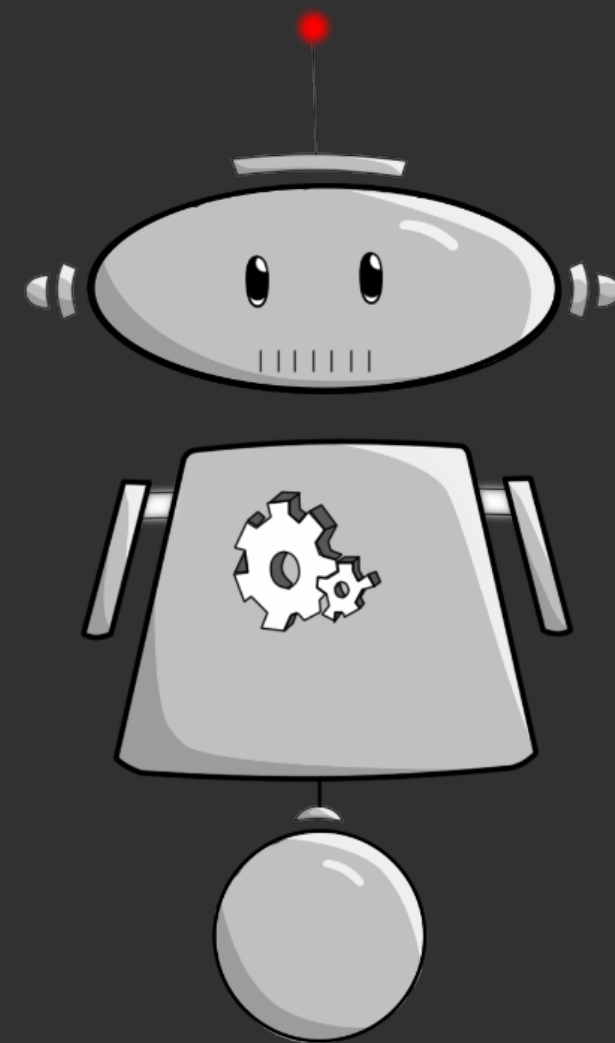
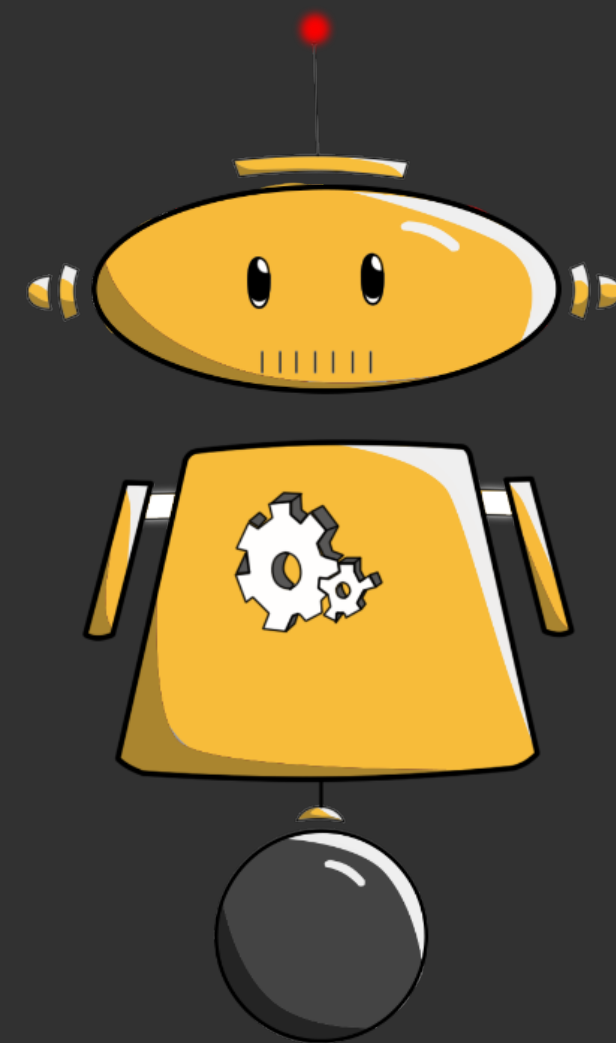
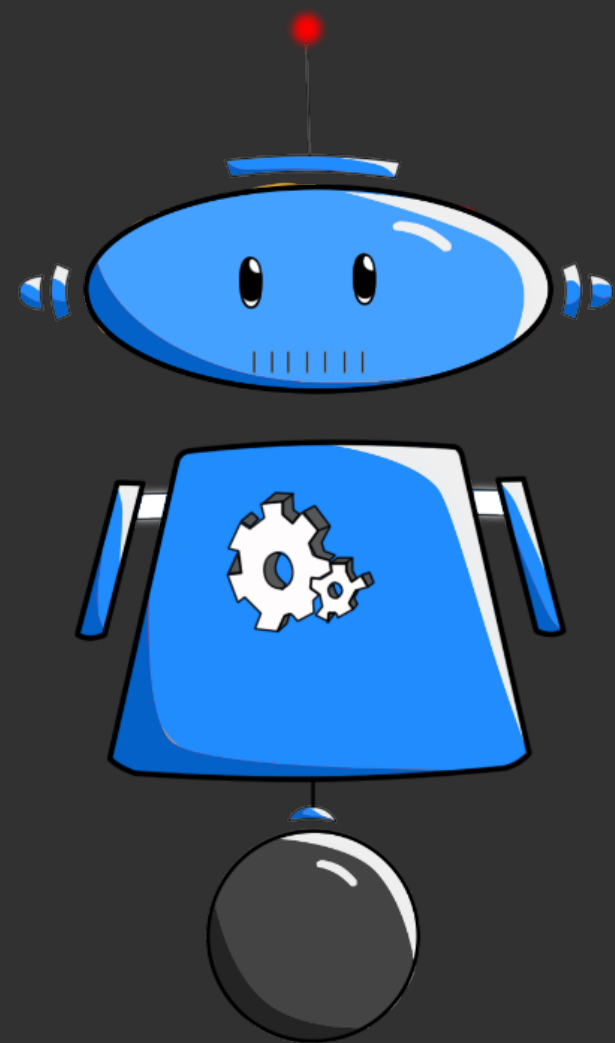


<https://social.vnbrasseur.com/@vnbrasseur>



[roscon-jp@vnbrasseur.com](mailto:roscon-jp@vnbrasseur.com)

# REFERENCES



# REPORTS MENTIONED

## ➤ The Brundtland Report

➤ [https://en.wikipedia.org/wiki/Our\\_Common\\_Future](https://en.wikipedia.org/wiki/Our_Common_Future)

## ➤ Article summarising the 2022 GitHub Octoverse report

➤ <https://web.archive.org/web/20221111195741/https://venturebeat.com/programming-development/github-releases-open-source-report-octoverse-2022-says-97-of-apps-use-oss/>

## ➤ 2023 GitHub Octoverse Report

➤ <https://octoverse.github.com/>

## ➤ Harvard Business School Study

➤ <https://hbswk.hbs.edu/item/open-source-software-the-nine-trillion-resource-companies-take-for-granted>

## ➤ Tidelift 2024 State of Open Source Maintainer report

➤ <https://explore.tidelift.com/2024-survey>

# COMPANIES & PROJECTS MENTIONED

## ➤ GitHub Sponsors

➤ <https://github.com/sponsors>

## ➤ Tidelift

➤ <https://tidelift.com/>

## ➤ Open Collective

➤ <https://opencollective.com/>

## ➤ FOSS Funders Community

➤ <https://fossfunders.com>

## ➤ XZ Utils

➤ [https://en.wikipedia.org/wiki/XZ\\_Utils](https://en.wikipedia.org/wiki/XZ_Utils)

## ➤ Open Source Robotics Foundation

➤ <http://openrobotics.org>

## ➤ Open Source Robotics Alliance

➤ <http://osralliance.org>

## ➤ Outreachy

➤ <https://www.outreachy.org/>