



2020 3 20 “ ” “ ” 4 27 5 5

COVID-19 “ ”

2020 “ ” Lady Gaga—— “ ”

“ ” “ ” Code Nova — “ ”

developer.ibm.com/cn/callforcode/

-
- COVID
- COVID
- COVID Slack
- COVID Node-RED

-
-
-
-

-

-

2019 “ ” 165 18 5000 “ ” 2018 [Project Owl](#) 2019 [Prometeo](#) IBM “ ” Code and
Response
“ ”
“ ”
“ ”
David Clark Cause 2018 IBM “ ” 3000
“ ” IBM “ ”