a billion low end devices and their users



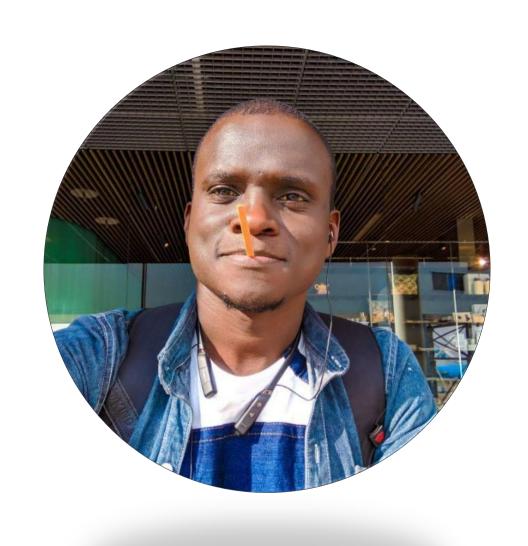
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agenda

- the users.
- the devices.
- development.
- q&a.



Raise your hand,

answer honestly

8 billion 4

559%

active internet users

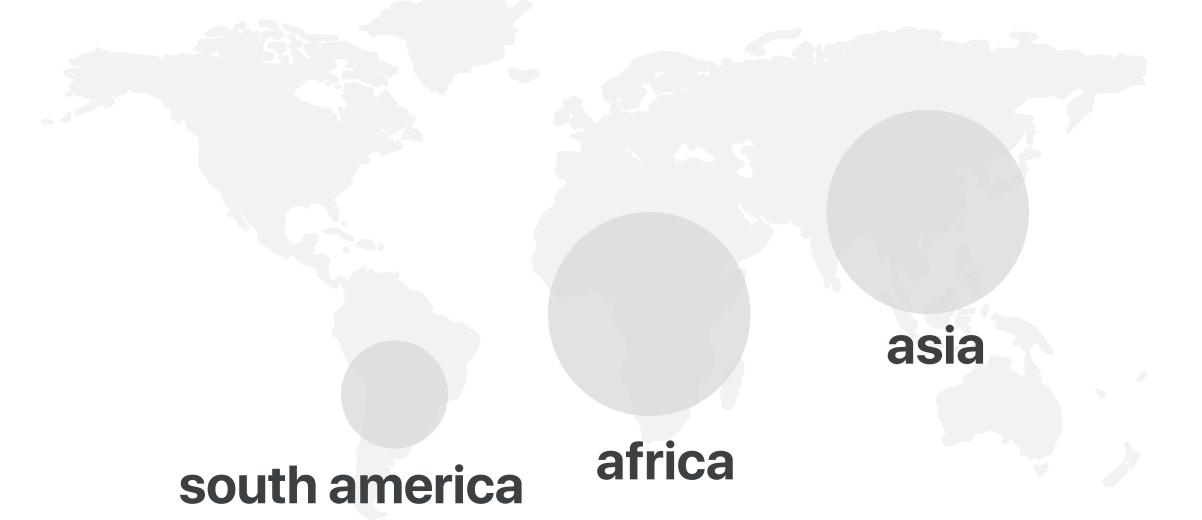
mobile devices

1/2 of population or more is not online

emerging markets



emerging markets



mobile devices

750million new users come online annually

not online



3G

the users



- entertainment

- entertainment
- communication

- entertainment
- communication
- utility

- entertainment
- communication
- utility

experimental



hand me downs

small screens

knock-offs

Cost Less than € 77

low storage

low memory

don't receive updates

dual sim cards



connectivity

Connectivity states - online

- online
- loading

- online
- loading
- failed error

- online
- loading
- failed error

- online
- loading
- failed error

good Connectivity states

good states for connectivity - offline first

- offline first
- loading progress

- offline first
- loading progress
- retry

- offline first
- loading progress
- retry
- failed error
- success

- offline first
- loading progress
- retry
- failed error
- success

- offline first
- loading progress
- retry
- failed error
- success

cache mechanism

PWAs

good design

good design

- simple is good
- delightful experiences
- delightful experiences

UX market research

performance

localization

from the bottom of my heart

thank you



questions

