What has Ruby made Possible?

Heroku
Ruby Association

Yukihiro "Matz" Matsumoto
ЮКИХИРО МАЦУМОТО
@yukihiro_matz
Karoshi
Death by working too hard
Why did they work too hard?
Hard to understand
We work to live, but some may live to work
We often work too hard
Psychological tendency
Alpha syndrome
Computers are great!
Never be tired
Never be bored
They are fast
We can be more productive when we work with computers
But
Beware of ALPHA syndrome
ALPHA is a leader of a group
Order or hierarchy
Imagine your pet dog
You pet it
You work for it
You do everything you can for it
It assumes it is ALPHA
It starts to behave bad
ALPHA syndrome
Computers
They are efficient
They are NOT perfect
They are far from perfect
You have to work for them
You start to pay effort for them
You start to think computers are ALPHA
You gradually become their slave
reverse ALPHA syndrome
Remember you are the master
Don't work too hard
Be lazy
Let computers work for you
The principles behind Ruby
• Productivity
• Development efficiency
• Programmer happiness
• Focusing on humans
Ruby is an Object-oriented language
Dynamic typing
Duck typing
Duck typing
Duck typing
If it walks like a duck
Quack like a duck
It is a duck
We assume it is a duck
Quaak.
Duck typing
Essence of OOP
Do not classify
Animal · Mammal · Human
Do not check type
Just ask
We don't care about inheritance
We don't care about structure
We just care how it behave
So we can ignore inside detail
So we ask computers to dispatch
So we don't have to work
Let computers work for you
Don't work too hard
Be lazy
DRY
Don't Repeat Yourself
Avoid duplicates
Avoid redundancy
Avoid copy-and-paste
Because it's BAD
You spread bugs all over
Besides that
We are lazy
We are too lazy to maintain duplicates
In summary,
• Duck typing

• DRY
Spirit of laziness
3 virtues of a GREAT programmer
- Laziness
- Impatience
- Hubris
Laziness
The quality that makes you go to great effort to reduce overall energy expenditure. It makes you write labor-saving programs that other people will find useful and document what you wrote so you don't have to answer so many questions about it.
Impatience
The anger you feel when the computer is being lazy. This makes you write programs that don't just react to your needs, but actually anticipate them. Or at least pretend to.
Hubris
The quality that makes you write (and maintain) programs that other people won't want to say bad things about.
"Laziness is the most important virtue"
We should not work too hard
We have to be lazy
We have to enjoy what we do
Enjoy programming
Remember Ruby principles
• Productivity
• Development efficiency
• Programmer happiness
• Focusing on humans
We need more power
To make us happy programmers
To avoid hard working
To avoid ALPHA syndrome
Ruby/Rails give power
That's our ultimate goal
Empowering programmers
I trust you
Great power comes with great responsibility
I trust you will do great works if you have power
More power to programmers
Power from computers
What has Ruby made possible?
Laziness
Productivity
Development happiness
Internationalization
First RubyConf
38 attendees
First RubyKaigi
RubyKaigi
Internationalization
Ruby leads internationalization of Japanese engineers
I'm proud
Happy Hacking!