Debunking Technology Trend Myths

Gerhard Botha
Head of Group Architecture
Aug 2018
Contents

• Disclaimer
• Technology Trends & Myths
• Last Thoughts On The Future
• Questions
"Those who have knowledge, don't predict. Those who predict, don't have knowledge. “

-Lao Tzu, 6th Century BC Chinese Poet

"Wall Street indices predicted nine out of the last five recessions ! "


“If you can predict more than 5 years into the future, you have the wrong job and you are not being paid enough.”

-G. Botha

"My interest is in the future because I am going to spend the rest of my life there. "

-C.F. Kettering
3D Printing (at Home)
3D Printing Myths

**3D Printing is slow**
Printing anything on a 3D printer is very slow.

**3D Printing is expensive**
It cost too much to practically print anything on a 3D printer.

**3D Printing is only for plastics**
You can only use cheap plastics to print.

**3D Printing is for everything**
Why don’t we just 3D print everything?

**3D Printing will replace manufacturing**
Everyone will print everything they need in their own home.
There is no cloud
it’s just someone else’s computer
Cloud Myths

**Cloud provides economies of scale**
Companies should migrate to cloud at scale in order to obtain maximum economies of scale.

**Everything will move to the cloud**
All IT systems will eventually move to the cloud.

**Cloud is cheaper**
The cloud is cheaper than running applications on-premises.

**Cloud is more, or less, secure**
The cloud is not as secure and you should not put sensitive data there.
The cloud is more secure than our internal networks.

**Cloud is faster and more agile**
Cloud enables speed and agility and lets you deliver faster.
Augmented and Virtual Reality

www.magicleap.com
www.sony.com
www.engadget.com
www.cisco.com
AR/VR Myths

“Ready Player One”
We are all going to end up as zombies in a virtual world

It has limited practical uses
It is just a gimmick and we will get past this.

It will make you sick
The cloud is cheaper than running applications on-premises.

We will become even more anti-social
Look at how anti-social we have become with just phones

AR/VR is easy to do
You just buy the goggles and off you go.
Robotic Assistants

www.globalconstructionreview.com

www.pixabay.com
Robots reduce jobs
Robots are taking our jobs

Robots will look like us
Robots will look like humans with a head, hands and feet

The terminator is coming
Robots will take over the world

Robots have feelings
Robots feel bad when we are rude to them

Robots will communicate like us
We will be able to understand what robots say to each other
Artificial Intelligence

2018: 2 year old

2030: 16 year old

2037: University graduate
Robotics Myths

Al is magic
AI works like magic. You just give it data and it knows stuff

Al is evil
AI will try to take over the world

Al will never be able to control humans
Robots will take over the world

Super intelligence is coming
AI will be smarter than us

Al is safe
We will be able to understand what robots say to each other
Last Thoughts on the Future
Thank you

Questions?