

LEADING TODAY. INSPIRING TOMORROW. How can we use technology to shape the future of work?

Pedro Raposo Catolica Lisbon School of Business and Economics

GBSN Conference, November 2019

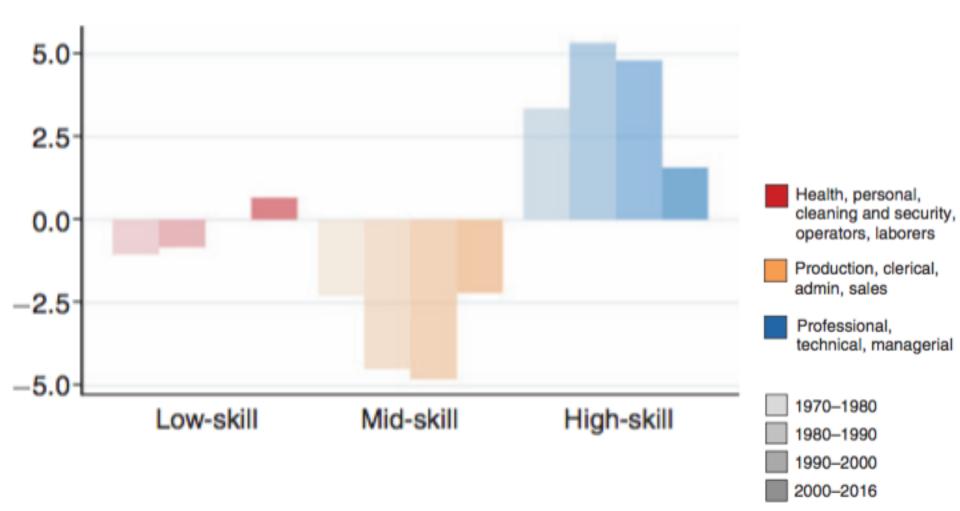






Source: Thomas Kochan, 2019

CATOLICThe Future of Work: Structure of work polarized LISBON Biased Technological Change



Note: Changes in occupational employment shares among workingage adults, 1970-2016. Source: US data (David Autor, 2019)

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Panel A. Non-college Panel B. College 4 2 З 2 Health, personal, 0 cleaning and security, 0 operators, laborers -1 -Production, clerical, -2 admin, sales -2 -3 Professional, technical, managerial -4 -3 1980-1990 -5 High-High-Low-Mid-Low-Mid-1990-2000 skill skill skill skill skill skill 2000-2016

Note: Changes in occupational employment shares among workingage adults, 1970-2016. Source: US data (David Autor, 2019)

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GBSN conference: Lisbon, October 2019



Routine jobs that could be automated were concentrated in the middle of the skills distribution

- Non-Routine cognitive jobs (manager) paid even better because there are complementarities to computers
- Routine jobs (clerk) have negative shock because they are easily replaced by computers
- Non-Routine manual jobs (janitor) survive because it is not easy to substitute them by computers but they do not benefit fromthem so their wages stagnate

CATOLICA The Future of Work: Outsystems case study LISBON BYNNESS & ECONOMICS



- The world is changing rapidly.
- A few years ago, artificial intelligence was no more than a fictional HAL 9000 in Space Odyssey.
- Today, there are Alexas and Peppers, and apps that mix real universes with virtual ones.
- At OutSystems, the goal is to keep pace with this everchanging world. More than that, they strive to be one step ahead.



The software delivery industry is the most manual industry in the world.

CATOLICA The Future of Work: Outsystems case study



Low-code is about applying automation to software delivery.

outsystems

The Future of Work: Outsystems case study

OutSystems low-code development platform



Visual Full-Stack Development Get an app really fast... 8 weeks is average

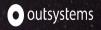


Deploy to Any Touchpoint Responsive Web Apps Native Mobile Apps Voice Assistants/Bots



Full Life Cycle

Create > Deploy > Monitor > Manage



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"Software is eating the world, but AI is going to eat the software" Jensen Huang, CEO Nvidia

"AI will decode software for everyone" Paulo Rosado, CEO OutSystems

Now in Outsystems:

AI is helping developers to develop the software the user needs, proposing new code, finding and correcting bugs

In the future: AI might substitute developers

"If software is eating the world and AI is eating the software, we might as well have a glass of wine"

Adapted by the House of Beautiful Business, Paulo Rosado CEO Outsystems



- Structure of work polarized and workers adapted
- Outsystems is transforming the way the software delivery industry works
- Al might substitute the software engineers but according to the humankind history we will adapt
- Time to shift the debate about technology & Future of work:
 - From: Wild predictions of how many jobs digital Tech will eliminate and how many it will create
 - To: How can we use advancing technologies to shape the future of work in productive, equitable and inclusive ways (Tom Kochan, 2019)