

Session 3

TECHNOLOGY

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I've said a few times this will be the most high-tech response to a pandemic in human history so far, with many tech companies rising to the challenge to help save lives, save businesses and join communities - Gerard Grech - <https://technation.io/news/covid-19-updates-tech-industry-resources-and-how-to-help/>

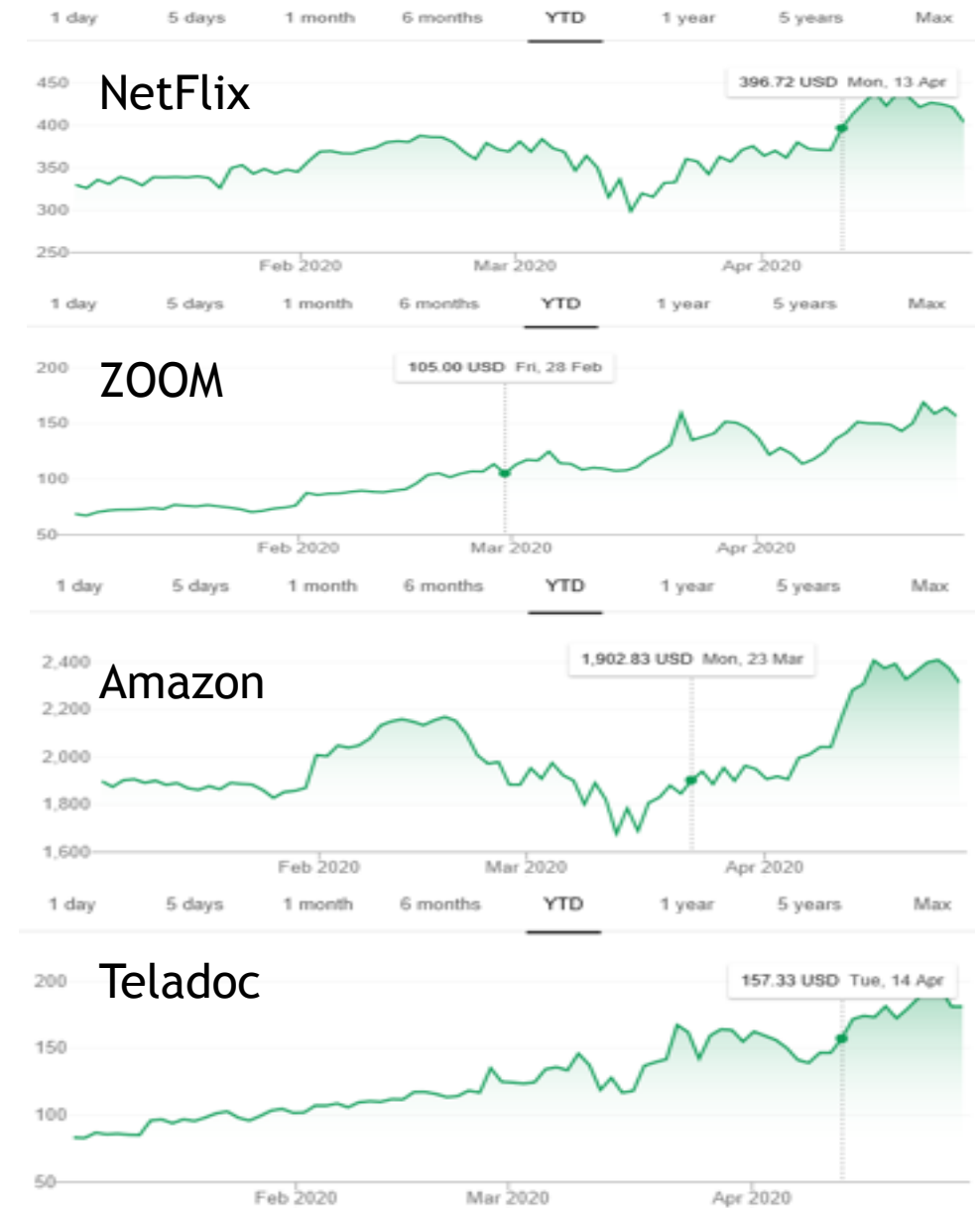
POST COVID-19 CAREER HOT SPOTS

- Technology
- Media and Entertainment
- Healthcare
- Energy
- Logistics and Supply Chain
- Management
- Financial Services, Investing,
- Entrepreneur
- Risk, Audit, Compliance etc.



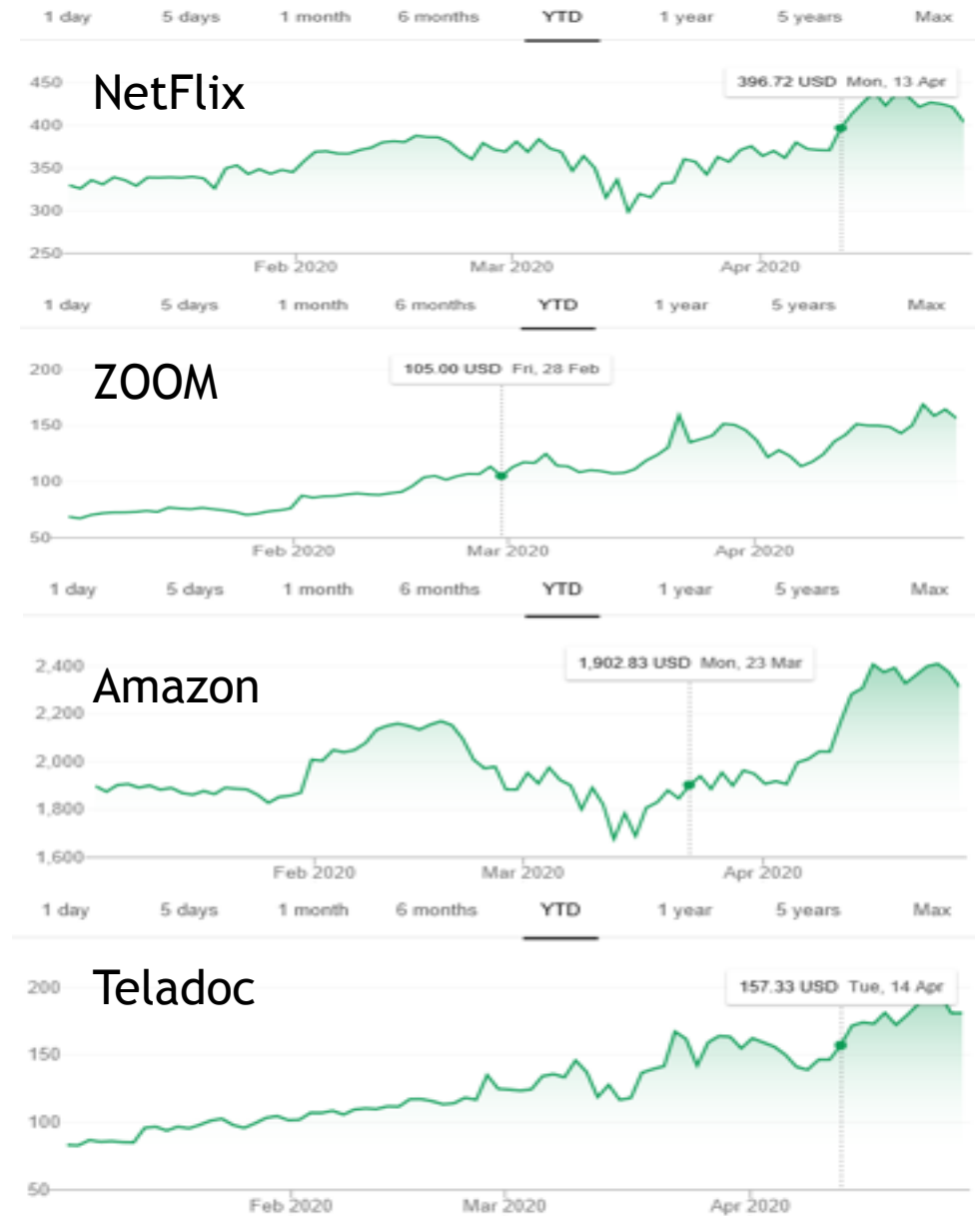
Technology – WHY ?

- Tech firms have fared better during the COVID-19 pandemic – See charts
- Technology has moved from business facilitation to Business drivers. A lot of business now base the profitability of their businesses on how technology is implemented.
- Technology arguably is the only industry that cuts across all others.
- Great opportunities for self employment with lower barriers to entry.
- Technology arguably adapts the fastest to changing economic, financial and social dynamic. The level of creativity and innovation is phenomenal



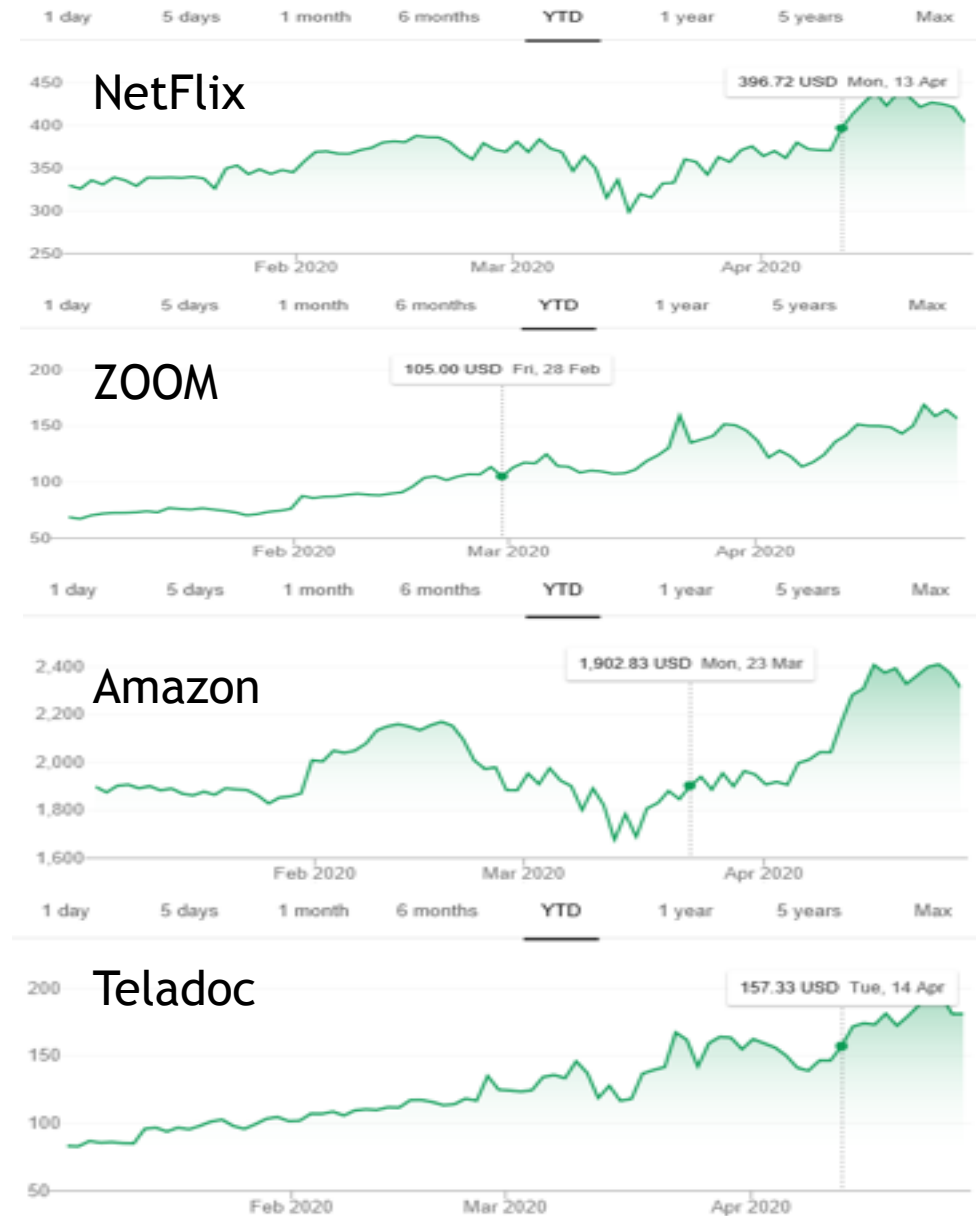
Technology Growth Sectors.

- Ecommerce platforms
- Internet Security
- Online gaming
- Online Streaming services - Entertainment
- Cloud Computing – IAAS, PAAS, SAAS, ORAAS etc.
- Fintech.
- Technology driven supply chain
- Data, AI, Machine Learning etc.



Career Options

- Software Developer- Java, C++, Python, SCALA etc.
- Web Development
- DevOps Specialist
- Cyber Security Specialist –
 - [CEH: Certified Ethical Hacker](#)
 - [CISM: Certified Information Security Manager](#)
 - [CompTIA Security+](#)
 - [CISSP: Certified Information Systems Security Professional](#)
 - [CISA: Certified Information Security Auditor](#)
- Database Administrator/Data Scientist
- Business Analyst
- Project Managers
- Infrastructure Specialist – Hardware, Networking etc





Requirements

Access

- Degree/Entry Level
- Apprenticeship
- Professional Certifications
- Volunteering
- Training Companies that provide employment

Requirements

- Quantitative and Analytical Skills
- Drive, Initiative and genuine interest in Technology
- A strong desire for non-stop learning
- Stakeholder Engagement Skills



How much
can I earn?

- Software Developer - 40 to 55k, 75 to 105k as a Lead.
- Web Development - Same as above.
- DevOps Specialist - 60 to 82k
- Cyber Security Specialist - 44 to 60k, 90k for Architects and Managers
- Database Administrator- 36 to 48k, 70k for a data scientist
- Business Analyst - 40 to 56k, 57 to 80k - Senior
- Project Managers - 58 to 85k up to 90k as a Program Manager
- Infrastructure Specialist - Hardware, Networking etc. - 50 to 70k

[Alphabet Inc.](#) shares surged after first-quarter results and upbeat executive comments showed the company's cloud and YouTube businesses kept growing in the midst of the Covid-19 pandemic. Sales came in at \$33.71 billion, up 14% from a year ago and ahead of Wall Street estimates. YouTube revenue jumped 33.5%, while Google Cloud's top line soared 52% -
SOURCE Bloomberg.com

COVID-19 has unexpectedly launched a new era of cloud modernization, says GlobalData, a leading data and analytics company

Cloud spending is currently outpacing IT spending by 400% - Source – Forbes

2020 will be challenging for FinTechs to navigate, but there are better times ahead. Post-crisis, disruptive winners will “take all”, as we expect surging demand from financial services for technology to master digital-only interaction, enabled by AI and big-data analytics,” comments Radboud Vlaar, Managing Partner at Finch Capital.

Online, the world is changing just as fast as offline. In early March 2020 The Drum reported on research that shows that, while annual advertising growth rates in China are predicted to fall from 7% growth in 2020 to 3.9%, ecommerce advertising spend is predicted to grow by 17.7% and social media spending to rise by 22.2%.

source:<https://www.ayima.com/blog/the-impact-of-covid-19-on-user-behaviour-and-ecommerce.html>



- AWS ::https://aws.amazon.com/training/?nc2=h_q_l_e_tc
- Cyber :: <https://www.comptia.org/faq/security/what-is-on-the-comptia-security-exam>
- Azure :: <https://docs.microsoft.com/en-us/learn/certifications/browse/>
- Google Cloud :: <https://cloud.google.com/certification>
- Bigdata:: <https://www.cloudera.com/about/training/certification.html>

Apprenticeships:

- <https://www.prospects.ac.uk/jobs-and-work-experience/job-sectors/information-technology/it-apprenticeships>
- <https://www.indeed.co.uk/Technology-Apprenticeship-jobs>

Funding:

- https://www.rb.com/innovation/?gclid=EAlaIqobChMI7cKtsdyS6QIVBkPTCh1m1gGaEAAYBCAAEgJ8m_D_BwE
- <https://granttree.co.uk/startup-funding-uk/>



Question
Time