What's Blockchain? - Resources List

The Bitcoin whitepaper. This is where it all started. This paper gets quite technical but is good to skim through and get from it what you can: https://bitcoin.org/bitcoin.pdf

James D'Angelo Bitcoin 101 – What is Bitcoin?
https://www.youtube.com/watch?v=Bhe61JaNFLU&index=6&list=PLzctEq7iZD-7-DgJM604zsndMapn9ff6q

Andreas Antonopoulus – Bitcoin is the real disruptor
https://www.youtube.com/watch?v=_0mykANOMGQ

Great video to help visualize the math that secures Bitcoin:
https://www.youtube.com/watch?v=ZloHVKk7DHk&index=5&list=PLzctEq7iZD-7-DgJM604zsndMapn9ff6q

 Video of Chinese Bitcoin Mining Operation:
https://www.youtube.com/watch?v=K8kua5B5K3I

One of the largest issues Bitcoin faces currently is how to effectively scale. With only 7 transactions per second if adoption of Bitcoin increases this will be a significant bottleneck. Below is a great infographic on the scaling roadmap currently proposed:

http://imgur.com/MUrvsjY

This user made another infographic of more recent developments in regard to the blocksize argument:

https://imgur.com/gallery/Awpt58c/new

A segment of the community wishes to simply increase blocksize. Here is a great post explaining the positions for and against this with additional articles linked below:

http://bitcoin.stackexchange.com/questions/36085/what-are-the-arguments-for-and-against-the-increase-of-the-block-size-limit-RSK

Segregated Witness was recently finalized by the Core Dev team and has been rolled out in the most recent update of Bitcoin Core 0.13.1:
https://bitcoincore.org/en/2016/01/26/segwit-benefits/

Lightning Network is a payment layer that will allow Bitcoin transactions to happen off chain and is one of the most anticipated solutions to the scaling problem:
https://bitcoinmagazine.com/articles/understanding-the-lightning-network-part-building-a-bidirectional-payment-channel-1464710791

One of the biggest critiques of Bitcoin is the issue of fungibility since every transaction is published to the Blockchain which is accessible by anyone. One currently proposed solution for this is Mimblewimble:
https://bitcoinmagazine.com/articles/mimblewimble-how-a-stripped-down-version-of-bitcoin-could-improve-privacy-fungibility-and-scalability-all-at-once-1471038001

The issue of fungibility is extremely relevant to you as a consultant. If a client values privacy and anonymity, an open, permission-less ledger such as Bitcoin is most likely not a good fit for them.

RSK (Rootstock) recently launched their testnet network and is a company that focuses on smart-contracts secured by the Bitcoin network. You can browse their site for more info. This is a direct competitor to Ethereum which will be covered below.
http://www.rsk.co/

Bitcoin price chart with world events. Obviously take with a grain of salt, correlation implying causation etc. https://99bitcoins.com/price-chart-history/

Princeton Cryptocurrency Technologies Online course:
This course is extremely in depth and you should only watch the entire series if you have extra time.

Lecture 1 — Intro to Crypto and Cryptocurrencies
https://www.youtube.com/watch?v=fOMVZXLjKYo

Lecture 2 — How Bitcoin Achieves Decentralization
https://www.youtube.com/watch?v=q5GWwTgRIT4

Lecture 3 — Mechanics of Bitcoin
https://www.youtube.com/watch?v=t3hJsFpPmXs

Lecture 4 — How to Store and Use Bitcoins
https://www.youtube.com/watch?v=NKqHXoYZvMg

Lecture 5 — Bitcoin Mining
https://www.youtube.com/watch?v=jXerV3f5jN8

Lecture 6 — Bitcoin and Anonymity
https://www.youtube.com/watch?v=glyQy_e5LmM

Lecture 7 — Community, Politics, and Regulation
https://www.youtube.com/watch?v=lRbgZUGHn9g

Lecture 8 — Alternative Mining Puzzles
https://www.youtube.com/watch?v=TipGy2bOVL4

Lecture 9 — Bitcoin as a Platform
https://www.youtube.com/watch?v=aM3OP4gazWw

Lecture 10 — Altcoins and the Cryptocurrency Ecosystem
https://www.youtube.com/watch?v=l-3kOuF0dts

Lecture 11 — The future of Bitcoin?
https://www.youtube.com/watch?v=YG7I0XPtzD4

Lecture 12 — History of Cryptocurrencies [Bonus lecture]
https://www.youtube.com/watch?v=1VYs_zZsorU

James D'Angelo's youtube channel: Tons of videos that you can watch if they look interesting to you/you have the time:
https://www.youtube.com/playlist?list=PLzctEq7iZD-7-DgJM604zsndMapn9ff6q