



# Nisum BlockchainLab

## Workshop: Blockchain Theory and Practice

### Learn - Discuss - Implement

Learn the principles behind blockchain, discover its many applications, and put theory into practice in a 6-hour workshop designed to introduce you to the technology shaping the world today.



#### Learn (~2 hours)

**Target audience:** Product Owners/Innovation Leads/Tech Leads

**Takeaways:** Learn the basics, understand key concepts, and imagine new applications

- Blockchain concepts
- Types of blockchain and platforms (public, private, hybrid)
- Different types of consensus (IBFT - POW - RAFT)
- Techniques to find possible applications and identify their impact



#### Discuss and Discover Scenarios (~2 hours)

**Target audience:** Product Owners/Innovation Leads/Tech Leads

**Takeaways:** Techniques to detect possible business applications for blockchain

- Methodology concepts
- Variables to consider when discussing possible blockchain scenarios
- Strategies to detect high impact and low-cost applications
- Techniques to measure the business impact
- Selection and prioritization of business scenarios to implement



#### Implement (2-3 hours)

**Target audience:** Tech Leads/Developers

**Takeaways:** Knowledge to develop proofs-of-concept, end-to-end

Applying a predetermined use case , we will implement an end-to-end application

- Smart contract development techniques and design patterns
- Set up a blockchain ecosystem using Azure or Amazon
- Choose and apply the correct consensus system
- Deploy smart contracts and develop API in C# or any other backend system to connect to any kind of application

# Workshop Takeaway

After attending this workshop, non-IT participants will have the skills to discuss blockchain intelligently and identify possible real world applications. Developers will have the basic knowledge to run concept tests, develop smart contracts, and connect them with all types of applications laying a solid foundation to further build on. All attendees will gain valuable insights on blockchain, while collaborating with other like-minded individuals passionate about this cutting edge technology.



## Sebastián Martínez

Nisum's Blockchain Lab Founder

Sebastian has been developing technology solutions for over 20 years with companies across Latin America, Europe, and the United States. Leveraging his breadth of experience and insights, Sebastian helped create Nisum's Blockchain Lab, where he researches and builds solutions that bring exceptional value and differentiation for clients.

---

Learn how end-to-end blockchain concepts can be applied for your business in this up to 6 hour workshop with Nisum's Blockchain Lab Founder, Sebastián Martínez. Register now by emailing [blockchain@nisum.com](mailto:blockchain@nisum.com) or visit [www.nisum.com/services/blockchain-lab](http://www.nisum.com/services/blockchain-lab)



Ethereum



Kaleido



Amazon



Azure



[blockchain@nisum.com](mailto:blockchain@nisum.com)

**nisum**<sup>®</sup>

[www.nisum.com/services/blockchain-lab](http://www.nisum.com/services/blockchain-lab)



[linkedin/nisum-technologies](https://www.linkedin.com/company/nisum-technologies)