

Contactar

www.linkedin.com/in/marcosallendel (LinkedIn)

Aptitudes principales

Data Analysis
Problem Solving
Python

Languages

Spanish (Native or Bilingual)
English (Full Professional)

Certifications

Managerial Finance
Advanced Quantum Field theory
Requirements for Large-Scale
Universal Quantum Computation
Real Estate Economics
Quantum Algorithms for
Cybersecurity, Chemistry, and
Optimization

Honors-Awards

Coordination of a successful POC
with quantum cryptography.
Design and lead the development of
a quantum-resistant blockchain

Publications

Accelerating Digital Payments in
Latin America and the Caribbean
Aprende los tres elementos clave
de blockchain con este ejemplo
práctico.
A Caribbean Settlement Network:
Can Blockchain Ease International
Trade in the Caribbean?
Improving data sharing with
blockchain
The Good Health Pass
Interoperability Blueprint

Marcos Allende López

Enabling a quantum-resistant user-centric web.
Panamá, Panamá, Panamá

Extracto

Quantum physicist with working experience in digital identity, digital assets, blockchain, and quantum technologies. Committed to building technology that has impact on social and financial inclusion.

Experiencia

Blerify

CEO & Co-Founder

marzo de 2023 - Present (1 año 6 meses)

We are developing the infrastructure that will enable a new generation of digital interactions through mobile wallets that individuals will use to manage their data, identity, credentials, documents, and assets.

LACNet

2 años 8 meses

Director

enero de 2024 - Present (8 meses)

Responsible for overseeing technical and strategic operations, designing, and executing a roadmap to scale the company. Reporting to the CEO and the Board of Directors. Member of the Board.

Operations

octubre de 2023 - diciembre de 2023 (3 meses)

Responsible for overseeing technical and strategic operations, designing a roadmap to scale the company. Reporting to the CEO and the Board of Directors.

Chief Technology Officer

enero de 2022 - septiembre de 2023 (1 año 9 meses)

Responsible for designing and executing the development of the largest permissioned public blockchain network in the world in number of entities and projects. By end 2023 more than 120 entities and 80 blockchain-based projects are using it. Users include large multilaterals, governments, banks, consulting firms, private sector companies, universities, and entrepreneurs.

Our architecture was recognized in 2019 by ITU/UN as one of the 14 blockchain architectures of reference worldwide. Complementary to the blockchain layer we have enabled a broad set of open-source resources for building web3.0 applications, mainly related to digital wallets and SSI.

Among our most relevant developments are a quantum-resistant cryptographic layer, a GAS distribution protocol without tx fees, and a rotation mechanism for validator nodes that maximizes performance and decentralization. Our open-source developments have been recognized in several ISO, ETSI, and ITU standards.

World Economic Forum

Quantum Computing & Digital Currency Governance Committees
julio de 2021 - Present (3 años 2 meses)

Member and contributor to the Quantum Computing and Digital Currency Governance Committees.

- The Quantum Computing Committee identifies, analyzes, and socializes opportunities associated with quantum computing. It drives collaboration on addressing the concurrent set of emerging risks and security challenges. Activities include participation in specific activities at the network level, support the development of quantum seminar series, and create public-facing media content. Co-author of the paper Quantum Computing Governance Principles (see https://www3.weforum.org/docs/WEF_Quantum_Computing_2022.pdf)

- The Digital Currency Governance Consortium (DCGC) Committee promotes interoperability in both domestic and cross-border payment systems, global coordination becomes paramount. It is committed to promote having open and regular dialogues between central banks and the private sector about their CBDC journey and experiences. Collaborator in the publication https://www3.weforum.org/docs/WEF_Central_Bank_Digital_Currency_Global_Interoperability_Principles_2023.pdf.

Nillion

Advisor

marzo de 2023 - Present (1 año 6 meses)

Advisor to the CTO and engineering teams on quantum computing, quantum cryptography, and blockchain technology.

AI4ES

Scientific Committee

diciembre de 2021 - Present (2 años 9 meses)

Spain

Advisor for the Spanish "Red de Excelencia Cervera en Tecnologías Habilitadoras basadas en el Dato", which coordinates activities among leading Spanish Technological Centers related to the use of emerging technologies for data processing, including blockchain, quantum, SSI, and AI. Funded by the Spanish government.

Global Blockchain Business Council

Ambassador

enero de 2023 - Present (1 año 8 meses)

Panama

Inter-American Development Bank

6 años 2 meses

IDB Lab Specialist in Blockchain, Web 3.0, Quantum, and Digital Assets
abril de 2023 - septiembre de 2023 (6 meses)

United States

IT Specialist in Blockchain, Web 3.0, Quantum, and Digital Assets

noviembre de 2020 - mayo de 2023 (2 años 7 meses)

Washington DC

Technology Specialist responsible for areas of blockchain, digital assets, quantum technologies, self-sovereign identity, digital wallets, cybersecurity, and cryptocurrencies. Mainly focused on enabling regional cross-border solutions for Latin America and the Caribbean combining these technologies in the areas of education, health, identity, and payments.

Lead Researcher at the IT Tech Lab

abril de 2019 - octubre de 2020 (1 año 7 meses)

Washington D.C. Metro Area

Technology Specialist responsible for areas of blockchain, digital assets, quantum technologies, self-sovereign identity, digital wallets, cybersecurity, and cryptocurrencies. Technical leader of projects in the areas of cross-border payments, interoperability between custom administrations, tokenized land registries, self-sovereign identity and digital wallets, micro loans, digital diplomas, COVID-19 anonymous reporting, notarization on blockchain, procurement processes monitored on blockchain, quantum key distribution

channels, post-quantum cryptography, and quantum-resistant blockchain, among others.

Researcher and Consultant on Emerging Technologies

agosto de 2017 - abril de 2019 (1 año 9 meses)

Washington, District Of Columbia

Researcher on emerging technologies with focus on business applications for development. Creator of non-technical material for IDB specialists and government counterparts to understand the value, opportunities, and risks associated to these technologies. Technical responsible for IDB-funded projects using these technologies. Main areas of expertise: blockchain, quantum technologies, self-sovereign identity, digital wallets, cybersecurity, and cryptocurrencies.

LACChain Ecosystem

Chief Technology Officer

marzo de 2019 - septiembre de 2023 (4 años 7 meses)

Washington DC

Responsible for designing and executing the development of the largest permissioned public blockchain network in the world in number of entities and projects. By end 2023 more than 120 entities and 80 blockchain-based projects are using it. Users include large multilaterals, governments, banks, consulting firms, private sector companies, universities, and entrepreneurs.

Our architecture was recognized in 2019 by ITU/UN as one of the 14 blockchain architectures of reference worldwide. Complementary to the blockchain layer we have enabled a broad set of open-source resources for building web3.0 applications, mainly related to digital wallets and SSI.

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Universidad Carlos III de Madrid

Lecturer

marzo de 2023 - marzo de 2023 (1 mes)

Madrid

Lecturer on Web 3.0, Quantum Technologies, Digital Wallets and the future of digital services.

European Tech School

Professor

octubre de 2021 - diciembre de 2022 (1 año 3 meses)

Professor in blockchain and SSI.

Three Points The School for Digital Business

Professor

junio de 2020 - diciembre de 2022 (2 años 7 meses)

In the Master's in "Blockchain and its Business Applications", I teach the differences between different types of blockchain networks and their convenience for specific use cases.

Georgetown University

Mentor

febrero de 2019 - octubre de 2021 (2 años 9 meses)

Washington DC

I mentored students in the Latin American Leadership Program to help them design and develop innovative solutions using emerging technologies.

CIEMAT

Data Scientist

octubre de 2016 - julio de 2017 (10 meses)

Madrid, España

I worked in the neutrinos group in the WA105 experiment. WA105 is a proto-experiment aimed to validate technology and reduce systematic errors for the international experiment DUNE (Deep Underground Neutrino Experiment).

These experiments aim to gain a better understanding of neutrino oscillations. In particular, it is intended to be studied the mass hierarchy and the CP violation phase. Besides that, DUNE is also expected to throw light on the origin of matter, unification of forces and black hole formation.

At CIEMAT, my group was in charge of the study of the light detection from the design of the mechanical and electronical set-up components and their future installation at CERN, to their entire characterization.

Educación

Massachusetts Institute of Technology

Program on Quantum Computing and Communication · (marzo de 2019 - diciembre de 2019)

The London School of Economics and Political Science (LSE)
Program on Finance · (2021 - 2022)

Universidad Complutense de Madrid
Master's degree, Theoretical Physics · (2016 - 2017)

Universiteit Utrecht
Summer Student, Theoretical Physics · (2016 - 2016)

Universidad de Oviedo
Bachelor's degree, Physics · (2012 - 2016)