About me

My name is Nuno Silva, I was born on the 1st of June 1996 in Portugal, where I am living. My favorite color is black, I like to have long walks, learn, travel and spare time with my loved ones. I am self-driven Blockchain Developer and "Explorer" with a solid scientific background. I'm passionate about blockchain and its underlying technologies like smart contracts and web3, which can overcome many limitations of contemporary technologies and propel our capabilities. Over the past three years, I've been researching and exploring the infrastructure of blockchain, including Defi, Multichain, NFTs and the Metaverse. Along the way, I've acquired several hardskills such as proficiency in Solidity programming language, understanding of blockchain consensus mechanisms, cryptography, and experience in working with blockchain toolkits and frameworks. Additionally, working on new initiatives and ideas with peers from around the globe has helped me develop a variety of soft skills that have improved my abilities as a blockchain professional.

Since I was a child, I have always been a curious individual with a natural inclination towards understanding how things work. My interest in the natural world was piqued at an early age, and I found myself constantly seeking out new information and knowledge about the intricacies of life on Earth. This fascination eventually led me to pursue an academic path in Biology, a field that allowed me to delve deeper into the workings of living organisms and their environments.

As I progressed through my studies, I became increasingly interested in the intersection of technology and science and began exploring different fields that combined the two. I later switched to Biotechnology, a discipline that allowed me to explore the innovative applications of technology in the biological realm. While I enjoyed my studies, I eventually came to a point where I felt the need to take a step back and re-evaluate my career path.

It was during my gap year that I stumbled upon blockchain and web3 technologies and was immediately captivated by their potential to revolutionize various industries. I was intrigued by the complex systems and protocols that underpinned these technologies and was drawn to the challenge of understanding and contributing to their development.

Without the constraints of traditional academia, I was able to fully immerse myself in researching blockchain and web3 technologies. I spent countless hours poring over technical whitepapers and engaging in online discussions with experts and enthusiasts in the field. As I delved deeper, I discovered a passion for problem-solving and critical thinking that went beyond my academic pursuits.

Although my journey has been unconventional, I believe that it has given me a unique perspective and skillset that sets me apart from others in my field. Through my experience in blockchain and web3 research, I have gained a deep understanding of these technologies and the potential they hold for creating positive change. I am eager to continue learning and contributing to this dynamic and rapidly evolving space and look forward to the exciting opportunities that lie ahead.

During my gap year I went to the Netherlands searching for jobs opportunities. My experience in the Netherlands was an unforgettable one, filled with unique cultural insights and personal growth opportunities. I arrived in January 2020, with the intention of searching for job opportunities in the country. The first few months were a period of adjustment, as I acclimated to the local customs and way of life. The Dutch culture was both welcoming and intriguing,

with a strong emphasis on egalitarianism and open-mindedness. The country's stunning landscapes and vibrant cities provided a picturesque backdrop for my daily life.

However, my experience in the Netherlands was not without its challenges, especially given the unprecedented circumstances of the Covid-19 pandemic. I found myself spending the first few months of the pandemic in the country, as the Dutch government took a more lenient approach towards restrictions. Despite the uncertainty and upheaval, I was able to adapt to the situation and continue with my daily routine.

Living through the pandemic in the Netherlands taught me valuable lessons about resilience and adaptability, skills that have proven invaluable in my personal and professional life. I also had the opportunity to explore new interests and hobbies, as well as meet people from different cultures and backgrounds.

Overall, my experience in the Netherlands was a transformative one, allowing me to develop a deeper understanding and appreciation for different cultures and ways of life. I am grateful for the growth opportunities that this experience presented and will always cherish the memories and lessons learned during my time in the country.

Experience

- Over the years, I have held several temporary jobs that have enabled me to develop important soft skills. In particular, my experience in customer service has helped me improve my interpersonal relations and communication abilities, which are essential in any role that involves interacting with clients or customers. I have learned how to remain calm and professional in stressful situations, how to actively listen to others, and how to provide effective solutions to problems.During my college years, I conducted research on gold nanoparticle synthesis using a novel and simplistic approach.

- During my college years, I conducted research on gold nanoparticle synthesis using a novel and simplistic approach. This project allowed me to develop my analytical skills and taught me how to conduct thorough research in a systematic and organized manner. I also learned how to present my findings in a clear and concise manner, which has proven useful in my professional life.

- In 2020, I began my freelance blockchain career, and since then, I have explored numerous topics in the field. I have gained experience in infrastructure, DeFi, NFTs, and smart contract development, among other things. I make sure to stay up-to-date with the latest developments in the field, attending conferences and workshops, and participating in online communities. Through my freelance work, I have expanded my technical skills and knowledge and have had the opportunity to work with a diverse range of clients from around the world.

- As a side project, I am currently providing advisory services to MetaCare, a start-up that aims to bring healthcare data into blockchain through a digital twin concept. This project has allowed me to apply my knowledge of blockchain technology to a real-world problem and contribute to the development of an innovative solution. It has also given me the opportunity to work with a dynamic and motivated team and develop my project management skills.

- Recently, I have been providing advisory services to a well-known Portuguese artist for an NFT project. Unfortunately, I cannot disclose the details of the project due to confidentiality agreements. However, this project has allowed me to apply my expertise in blockchain technology to the creative arts industry and work with a talented and passionate artist. It has also given me the opportunity to develop my advisory and consultancy skills, providing me with valuable experience that I can use in future projects.

Projects

College research

During my college years, I led a research project on the synthesis of gold nanoparticles using a regular espresso coffee machine, which was a novel and cost-effective approach. This project was not only academically challenging but also aimed to promote science communication in schools by demonstrating how complex scientific concepts could be made more accessible through creative experimentation. Through this project, I developed my research and analytical skills, as well as my ability to think critically and creatively.

Nanoparticles have unique properties that make them useful in a variety of applications, including medicine, electronics, and environmental remediation. The small size of nanoparticles allows them to penetrate cell membranes, which is useful in drug delivery systems to target specific cells and tissues. In electronic devices, nanoparticles can be used to improve performance and efficiency, as they can conduct electricity and heat better than larger particles. Moreover, nanoparticles have been used in water treatment to remove pollutants by attaching themselves to the contaminants and removing them from the water.

The future potential of nanoparticles is enormous, and ongoing research continues to uncover new applications and properties. Researchers are exploring the use of nanoparticles in medicine and biosensors, where they can be used to detect diseases and monitor patients' health. In biotechnology, nanoparticles can be used to deliver genetic material to cells or even modify genes, which has great potential in gene therapy. Furthermore, nanoparticles can be used in materials science to enhance the properties of materials, making them stronger, more durable, and more lightweight. Overall, the applications of nanoparticles are vast, and their potential is still being explored.

Spatium

Spatium is a concept for a decentralized autonomous organization (DAO) built on top of Chromia, a relational blockchain designed for developing decentralized applications. Chromia provides Spatium with the scalability and security needed to support its Sci-fi multiplayer Role-Playing Game (RPG) and Decentralized Finance (DeFi) concept - Automated Market Maker (AMM). With Chromia's relational database structure, Spatium can efficiently manage complex data and transactions, such as player ownership of in-game assets, voting rights in the platform, and rewards distribution for liquidity providers. Chromia's relational model allows for optimized storage, querying, and indexing of data, enabling Spatium to offer a seamless and immersive user experience. Additionally, Chromia's unique features, such as smart contract-

level access control and cross-chain communication, allow Spatium to provide advanced functionalities and interoperability with other blockchains. By leveraging the benefits of Chromia's technology, Spatium aims to create a democratic governed game with engaging lore and community building at its core, while also providing a reliable and secure platform for DeFi transactions.

Metacare

MetaCare Health is a revolutionary health platform that aims to provide ownership over individual health data and real-time monitoring of various medical data using IoT wearable devices. The platform plans to leverage Dynamic NFT technology to create a personal avatar and digital twin that can store not only data generated by IoT devices but also verified medical information. The incorporation of this technology aims to ensure data privacy and security, as the data is encrypted and controlled by the user themselves.

In addition to the storage of medical data, MetaCare Health seeks to provide a reward-based system to incentivize users to pursue a healthy lifestyle. This gamified learning experience will also include an educational platform that will help individuals learn about health-related problems. The platform aims to be an all-in-one solution for individuals to track and manage their health, with a focus on empowering users to take control of their health information and make informed decisions about their health.

As a blockchain researcher with a deep understanding of the ecosystem, I provided valuable advisory services to the MetaCare Health team. I worked with the team to explore the potential of blockchain technology and new approaches for NFTs in creating a personal avatar and digital twin for storing and replicating medical data. My expertise helped the team to develop a robust and secure platform that prioritizes data privacy and security while providing a seamless and engaging user experience.