I bring over 20 years of deep experience in security and cryptography, having worked as both a researcher and consultant. My journey has led me to work with some of the most well-known research groups in security and cryptography across academia and industry, including Microsoft Research. I have also collaborated with top-tier financial institutions like AIB, HSBC, Lloyds, and Zurich. My expertise in blockchain dates back to the early days of the technology, with involvement in key projects like Ripple, Ethereum Swarm, multiple DeFi protocols, and privacy-focused DeFi initiatives.

Background

As a cypherpunk who has been active since the days of sci.crypt and the cryptography mailing lists, and having attended graduate school to study cryptography, I've been immersed in the blockchain ecosystem since its infancy. I'm also one of the founding members of the UK Digital Currency Association (UKDCA). My early contributions include advising Ripple and reviewing the Ethereum Swarm (Orange) project. I have been an early contributor to the token engineering and protocol design space, giving multiple talks and workshops on the topic. Blockchain has been a core part of my professional life, and I've continuously advocated for privacy and security innovations, including co-founding Panther Protocol, which leverages advanced cryptography for DeFi.

Security and Cryptography Expertise

My background in security began early, and over the years, I've honed my expertise in safeguarding complex systems. As CTO and Chief Scientist of Panther Protocol, I've led efforts to implement cutting-edge, privacy-preserving solutions in decentralized finance. Additionally, I've advised several key blockchain projects, including Adjoint, Arteia, Boson, Privacy Shell, Collider-X, and Ocean, always bringing a rigorous, security-first mindset to every initiative.

Why Me?

I'm deeply embedded in the blockchain and cryptography space. From reviewing Ethereum Swarm paper to advising multiple groundbreaking projects, I've been at the intersection of innovation and security for years. My regular speaking engagements and thought leadership in AI, cybersecurity, cryptography, and blockchain keep me closely connected to emerging trends, and my academic roles at top institutions such as MIT, CMU, UCL, and SRH Berlin allow me to stay on the cutting edge of research.

I believe my blend of technical expertise, advisory experience, and academic involvement aligns well with the mission of the Arbitrum Security Council. As someone who has been deeply involved in both the cryptography and blockchain spaces for years, I am excited to contribute and bring my expertise to further strengthen the Arbitrum ecosystem. Thank you for the opportunity.