

Keynote Speech 4

Blockchain based systems and Edge computing working together as a decentralized public ledger



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Abstract: Blockchain based systems and Edge computing work together as a decentralized public ledger which can store and transfer data. We already know that Blockchain has many benefits however in a commercial setting transparency is not ideal but permissioned distributed ledgers can and are transforming how supply chains interact. Edge computing allows for this in a new way, from farming to industry the provenance and ability to check inventory in seconds is vital but this can also be reverse engineered to reduce waste and over manufacturing and therefore save millions to both industry and the planets ever growing waste stock pile. The recent advancements in both edge computing and also 5G is allowing us to research and prototype new methodologies for new solutions; and decentralized cloud networks, and Blockchain is just one of them, which will be the focus of this talk.

Biography: Gary Spence is a senior seasoned leader. A certified supply chain expert with the Institute of supply chain management and an elected branch chairman of the FSB (Federation of Small Businesses) An Ambassador for Stoke on Trent and is currently working with local colleges to establish tomorrow's IT students. He has worked with DHL for over 10 years, where he established their first interactive IT drivers management system, and in the supply chain industry for over 20 years together regularly managing business contracts over £300m. Designing and developing IT systems for the supply chain industry including WMS and TMS systems. Gary is ISO Lead auditor for ISO9001, ISO 14000, ISO18000, ISO27000 and holds the Six Sigma Black Belt.