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Healthcare does hadoop: An academic medical center's five-year journey

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In 2010 the Clinical Informatics Team at the University of California, Irvine began a five year journey utilizing the technologies that power Face Book, LinkedIn and Twitter. This presentation will take the audience from the first use case utilizing a simple NoSQL environment through the evolutionary process that led to a "Big Data" ecosystem that ingests clinical, financial, medical device, patient self monitoring, social and geographic information system data to provide advanced analytics that serve the clinical, operations, financial and research needs of the organization. The session will focus on the lessons learned along the way.

Biography

Charles Boicey is the enterprise analytics architect for Stony Brook Medicine, an academic research institution and medical center located on Long Island. He is responsible for the development and implementation of enterprise analytics solutions and Stony Brook Medicine's population management ecosystem. He has 22 years of experience in the healthcare field. His scope of expertise encompasses trauma, critical care nursing, designing technology-enabled processes, and ensuring the use of standardized data elements in clinical systems to meet clinical and research analytics requirements. His most recent work includes the development of Saritor, a healthcare centric "Big Data" ecosystem designed to advance clinical and research practice. He is a registered nurse, certified in nursing informatics, PMP, CPHIMS. He received his Master's Degree in technology management from Stevens Institute of Technology. Charles is the vice president of the American Nursing Informatics Association and an active member of AMIA, HIMSS, IEEE, and PMI.

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Page 35