

Ken McHugh, Vice President, Technology



Ken is based in Singapore.

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Ken is Vice President, Technology for Cognitive Edge Pte Ltd. His main responsibility is the design and management of the Cognitive Edge SenseMaker® Suite of software ensuring the architecture remains flexible as new tools and features are added.

Born in the Republic of Ireland, Ken has also spent time in Canada, the US, and the UK before moving to Singapore. He has completed his diploma in Computer Science at Sheridan College in Ontario, Canada. Ken has also completed a number of Microsoft certifications including MCSD and MCDBA during his time in Canada. He is currently completing his MSc in Software Engineering at the University of Oxford, England and is due to be complete by Sept 2011. His dissertation research topic is in the field of knowledge management technologies, specifically in the area of distributed computing of knowledge-based metadata and its impact on organisational knowledge sharing (sharing knowledge about knowledge has been shown to be more tractable than writing down and sharing knowledge).

While having an extensive career in the area of Computer Sciences, Ken has also spent time in the Canadian military progressing to the rank of Sergeant before leaving after eight years of service with the Argyll and Sutherland Highlanders of Canada.

Ken began his professional career as a hardware technician but his love for programming eventually led him into a career in software development. He has extensive experience in an extremely diverse range of software development projects and industries with a number of software companies in Canada, the USA and England. This experience lead Ken to a keen interest in software architectures, programming languages and different development paradigms, now consolidated in his graduate studies and the successful creation of an extremely sophisticated software framework for SenseMaker®. Eventually Ken opened his own company in the UK to become more involved in the scientific and R&D type applications for the framework and to pursue other software related research. In particular, Ken is currently focussed on computer language theory, mathematics especially around data storage and various machine learning problems (such as prediction and classification models based on neural networks, support vector machines and Bayesian networks) model driven architecture, organic architecture, and data visualisation. This research has practical application in SenseMaker®, which is being deployed in general Horizon Scanning and Community Consultation fields for both commercial, homeland security and military projects.