



Financial Services Technology: Processes, Architecture, and Solutions

By Randall E. Duran

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Financial Services Technology reviews key financial services business areas, technologies, and trends, providing a primer for students and a reference for industry professionals. It covers current trends and emerging concerns in financial services industry, including cloud computing, big data, business process management, microfinance, mobile banking, algorithmic trading, and ongoing regulatory changes. In addition, it reviews how financial services processes and practices vary between North America, Asia, and Europe.

This book aggregates and condenses a broad range of information related to financial services technology and business applications that, until now, has not been available in a single text or information source. It is composed of four major sections: 1) foundations, which provides an overview of how information technology (IT) solutions are implemented in financial institutions; 2) banking technology, which describes the business context and technologies that support retail and commercial banking functions; 3) financial markets technology, which explains the business context and technologies used for the trading equities, derivatives, and foreign exchange products; and 4) cross-functional considerations, which examines technology and solution considerations that span across multiple banking and financial market business areas.

KEY FEATURES

A primer for banking students and a reference for industry professionals. Reviews key financial services business areas, technologies, and practices, and the differences between North America, Asia, and Europe. Analyzes current trends and concerns, such as cloud computing, big data, and ongoing regulatory changes. Contains over 70 case studies and 100-plus diagrams.

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Editorial Review

About the Author

Randall E. Duran is the Chief Executive Officer of Catena Technologies Pte Ltd, a consulting firm that designs and implements banking and financial markets technology solutions. Randall is also an adjunct professor at the Singapore Management University teaching graduate courses on banking solutions and architecture. Over the past 20 years, Randall has worked with financial institutions in the United States, Europe, Asia, Australia, and Africa. Prior to founding Catena Technologies, he led solution consulting at TIBCO Finance Technology Inc and Reuters PLC. Randall was awarded B.S. and M.S. degrees in computer science by the Massachusetts Institute of Technology.

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