

## “Error Resilience "Re-Del" Agent in Multichannel Telecommunications Network Systems”

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Nathaniel Taylor is a doctoral student of the Computer Science Department at Bowie State University. Before joining Dell Inc., he was working at the Executive Office of the President as a Senior DBA Advisor on budget system. Nate worked for Allegis Group Inc. as a Senior DBA/Data Scientist researching and developed recruiting predictive analytic tool which includes building statistical/machine learning models to predict successful candidate acceptance rate to job requisition. He also lead the development and building of database and data warehouse systems (Oracle ,SQL Server ,DB2,PostgreSQL and MySQL). Nate also worked for Siemens AG (Information and Communication) Munich, Germany as Network Operating Center engineer building broadband technology service and developing Security Laboratory Infrastructure.

**Abstract:** The simplest network possible is one in which all the hosts are directly connected by some channel, whether it be a wire, fibre, or wireless connection and covers a small area (e.g., an office building) or a wide area (e.g., transcontinental). Multichannel networks are complex and errors generated from their automated complex event processing that provide network services subscription to other entities, undermines attempts to provide reliable, predictable, end-to-end high performance fault tolerance networks. I propose an error resilience “Re-Del” agent in a multichannel telecommunication network system with a metadata framework for large scale heterogeneous distributed database systems solution. The agent provides error resilience by reliability increasing service provisioning and activation success rate.

Contact Dr. Soo-Yeon Ji ([sji@bowiestate.edu](mailto:sji@bowiestate.edu)) if you have any question.