

“Adoption of Open Web Architecture Framework: A RESTful Approach to Developing in the Cloud”
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Jide Aniyikaiye is a solution-oriented IT professional with extensive experience in developing, implementing, and maintaining enterprise IT systems. Co-founded multiple startup initiatives, and currently serves as an Enterprise Solutions Architect at Hewlett-Packard Company (HP) where he leads service-oriented architecture governance and advises clients on architecture solutions for small and large-scale projects. He holds both M.Sc. & B.S. in Computer Science from Bowie State University. He is an adjunct professor at Sullivan University – his research interests are Web/Mobile Apps Programming Languages; Web Services & Service Oriented Architecture (SOA); NoSQL (Document) Databases; Big Data and Analytics.

Abstract: Devices with an Internet Protocol (IP) address began with computers, mobile phones, and tablets. They have quickly proliferated to other devices such as printers, cars, homes, and thermostats. One of the factors that enabled the distribution of services to all those devices was the public availability of Application Programming Interfaces (API). The need to serve billions of API requests per minute required easy to use, scalable software architecture called Representational State Transfer (REST), which now accounts for a majority of the public API’s and the delivery of web services. Using the Unified Theory of Acceptance and Use of Technology (UTAUT), a model developed by Venkatesh, Morris, and Gordon and Davis, the purpose of this study is to investigate the implementation of RESTful services for Cloud-based application development. A quantitative research methodology using data collected through demographic surveys will measure the key factors that influence REST adoption for Cloud application development.

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