Literature Review on: A Modern Approach for Software Development using Microservices

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Abstract: *Building complex systems as a composite of small, loosely linked components that communicate with one another using language-independent APIs is the idea behind microservice-based architecture. Due to its benefits, including higher scalability of deployed systems and increased software development agility, this architectural approach is currently growing in popularity within the industry. Our goal in this work is to compile and organize best practices, problems, and some current solutions to these problems used by practitioners successfully creating microservice-based applications for commercial usage. The microservices paradigm focuses on changing how software is perceived, developed, and built. Scalability is one of the fundamental traits of this new, promising paradigm, as compared to monolithic architecture. In this paper, we will see the approach to microservices and challenges in implementation.*

Keywords: Microservice.

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