

Implementing an automated CI/CD DevOps platform for containerized applications on OpenShift in the enterprise environment at MSB Bank.

Cu Binh An

Abstract: This topic focuses on building and deploying an automated DevOps platform for the Continuous Integration and Continuous Deployment (CI/CD) process of container applications on the OpenShift platform within the enterprise environment of MSB Bank. The context of the topic is defined by the need to optimize the software product development and operations process through the application of the DevOps methodology. The objective of the research is to build an automated CI/CD system to increase efficiency and quality in container application management, while reducing operational costs. The method combines theoretical research on DevOps with practical deployment on the OpenShift environment. The significance of the topic lies in contributing to the rapid development of the banking technology industry and enhancing the competitiveness of MSB Bank in this field.

Keywords: DevOps, Continuous Integration and Continuous Deployment (CI/CD), OpenShift, MSB Bank, Automation Platform