

Title : DevOps Implementation at Banana Talent

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ABSTRACT

This report details a co-op internship focused on the installation and configuration of servers, as well as the creation and customization of a Continuous Integration/Continuous Deployment (CI/CD) system using Azure Pipelines. The internship was conducted for the Banana Talent project, a web application designed to streamline the recording of employee data and internal company projects. The primary objective was to enhance developer and tester efficiency by automating repetitive tasks and processes, from building to testing and deploying software.

The internship involved designing and implementing a DevOps system for the Banana Talent web application to improve the efficiency and quality of the software development process. In accordance with Continuous Integration/Continuous Delivery (CI/CD) principles, a pipeline was developed to automate various processes, including code testing and deployment. Additionally, Infrastructure as Code (IaC) was adopted to manage the system's infrastructure, enabling rapid and flexible system modifications and expansions. The results showed that the developed DevOps system significantly reduced software delivery time, decreased the number of errors, and enhanced system stability.

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