

Title : Banana Talent 1.6

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ABSTRACT

This report describes the development and enhancement of "Banana Talent" Version 1.6, an internal resource and data management web application. The project aims to centralize employee profiles, project data, and reporting systems to improve data accessibility and organizational management efficiency.

The system was developed using the Model-View-Controller (MVC) architectural pattern to decouple data logic, user interface, and control flow, ensuring high maintainability and scalability. The View layer was implemented using the Angular framework with TypeScript for a responsive user interface. The Model and Controller layers were built with Ruby on the Ruby on Rails framework, managing business logic and interfacing with a PostgreSQL database through RESTful APIs.

The implementation results demonstrated that employing the MVC architecture alongside Agile methodology facilitated the seamless integration of new features, such as project financial reporting and corporate timelines. Unit testing results confirmed that the application functions correctly, simplifies complex data processes, and effectively serves the organization's resource management requirements.