Client Requirements

Client is a leading provider of life sciences and biopharmaceutical solutions, with global presence. Client was looking for an end-to-end cloud-based solution to support its client management and resource planning processes, including resource allocation and budget estimation.

CitiusTech was selected to build this solution, given its expertise on cloud platforms like Microsoft Azure, as well as its extensive experience with clinical trial workflows.
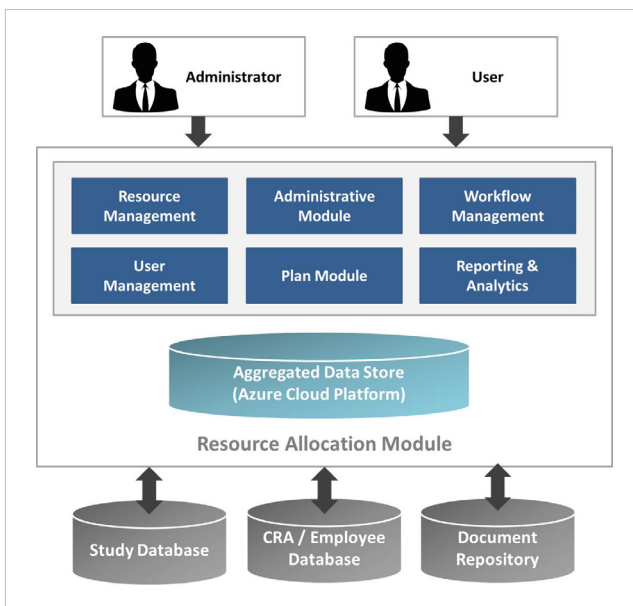
CitiusTech Solution

Requirement Analysis

CitiusTech put together a team of clinical data analysts, life sciences consultants, product development engineers and user experience specialists to conduct an in-depth analysis of the client's existing workflows and its current suite of discrete legacy applications. The CitiusTech team identified key areas around which the new application needed to be designed -

- Managing resource allocations and project costing
- Optimizing workflows to improve turnaround time
- Enhancing resource utilization by tracking resource needs and sharing resources across projects

- Building greater flexibility in project planning by providing the ability to modify workflows, manage allocations and change costs
- Driving organizational collaboration through sharing project plans across multiple stakeholders through secure communication channels

Solution Design

CitiusTech leveraged its expertise with the Microsoft BI stack to design a scalable, cloud-based solution that could provide systematic resource planning, build and manage extensive document repositories and simultaneously handle multiple clients.

With its in-depth knowledge of clinical data and BI/analytics technologies, CitiusTech developed a comprehensive data driven solution with advanced analytics features to track process efficiencies and monitor resource utilization and in-turn enhance decision making.

Development and Deployment

CitiusTech led the end-to-end design, development, testing and deployment of the solution on Microsoft stack, using the following solution components:

- **Resource Management:** Ability to manage resource types, resources hours and resource costs across geographical locations
- **Workflow Management**: Workflows to manage clients, create project plans, manage resources and allocate budgets dynamically across geographies. Ability to identify the resource requirement and estimate costs dynamically
- **Reporting and Analytics**: Ability to store and track content, aggregate information across discrete data sources, generate performance reports, identify trends in resource allocation and make cost estimations

Value Delivered

By partnering with CitiusTech, the client was able to:
- Leverage CitiusTech's expertise in cloud computing, Microsoft technologies and clinical workflows to build a comprehensive, scalable solution
- Incorporate a continuous process improvement mechanism through KPI tracking, analytics / reporting
- Leverage CitiusTech's offshore resource pool to accelerate development and reduce IT costs
- Improve process turnaround times by more than 50%

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