

# FOLIO™ Platform

The FOLIO platform will support resource management functionality while affording libraries and developers the ability to extend the platform into new areas. The platform design is “APIs all the way down”. This means that any developer can interact with any layer in the platform, and no component is too big to be replaced.

## UI Toolkit

FOLIO comes with a default User Interface for the platform applications. At the same time, libraries or developers can take advantage of the UI toolkit to create a new UI as needed. The UI toolkit leverages the React framework, an open JavaScript library for creating user interfaces.

## Language Agnostic Applications

FOLIO applications are language agnostic. In other words, apps can be written in any programming language. Apps include standard ILS modules such as circulation, cataloging, and acquisitions. Libraries and vendors can build on existing apps, or develop new apps that extend the library into areas such as campus ERP, research administration, and more.

## APIs and Message Bus

OKAPI is the API gateway that manages communication and separation between apps and different tenants (installations) on the platform. While apps are language agnostic, the connecting protocol between applications is HTTP.

## System Layer

The FOLIO platform features a centralized layer for data storage. The platform utilizes several data storage technologies for optimal performance and reporting. Transactional data, such as circulation transactions, may be stored in an SQL database while bibliographic data can reside in MongoDB. The system layer also facilitates indexing, supports linked data, and provides for tenant configuration.

