

Introduction

WaveMaker platform revolutionizes how enterprises build, deliver and manage modern custom applications, improving business agility and fostering innovation. WaveMaker leverages the latest trends and technologies in Rapid App Development (RAD) such as multi-device auto-responsive interfaces and componentized app assembly, Docker for app-optimized container deployment on private infrastructures, and APIs and Microservices Architecture (MSA) for scalable integration.

WaveMaker offers a visual model for development of apps. Code generated is to open standards like Angular, Spring, Hibernate etc. and there is absolutely no vendor lock in. You can develop your apps on WaveMaker and deploy it anywhere. WaveMaker apps can easily be integrated with other web services and systems. If you are looking for a rapid ROI, WaveMaker is the right platform.

Technology Stack

WaveMaker Apps are built using open-standards based technology stack, without any lock-in to vendor specific frameworks. Apps built can be freely distributed without any licensing concerns and deployed on any platform of your choice.



Deployment Options

Applications built with WaveMaker can be deployed to a number of environments.

WaveMaker Cloud

WaveMaker cloud is a multi-tenant hosting environment running on AWS that acts like a publicly shared virtual resource and is powered by Docker containerization technology.

Virtual Private Cloud

The WaveMaker virtual private cloud is an isolated single tenant hosting platform with a privately shared virtualized resource deployment setup. With the added benefits of Docker containers, you can deploy your applications and make full use of continuous delivery.

The WaveMaker Advantage

Built on Open Standards

Generates modular client-side Angular JS Code and server-side Java, Spring, and Hibernate code.

Dramatically improve productivity

With the WaveMaker Platform, developers can build apps 67% faster and with 80% less code.

Rapid Prototyping

Makes it super-easy to create apps using drag and drop of widgets into the WYSIWYG editor and bind UI components to the backend data model.

Integrate with Internal and External Services

Allows easy integration with web services APIs (REST and SOAP) and enables API based App development.

Comprehensive Release Management

WaveMaker Release Pipeline enables setting up the App deployment phases for easier delivery.

Develop Extensible Code

WaveMaker platform generates modular client-side code (AngularJS, CSS and HTML) incorporating industry best practices.

Advanced Data Visualization

Enables developers to easily drag and drop chart widgets and tie them to data to create rich, powerful custom dashboards.

On Premise (Inside your firewall)

WaveMaker provides enterprises an on premise setup of WaveMaker platform inside their data-center which lets you to be in complete control of the entire delivery platform – development, hosting and other stages of the releases management (viz. Development,QA,Stage,Production,Custom).

Integrations

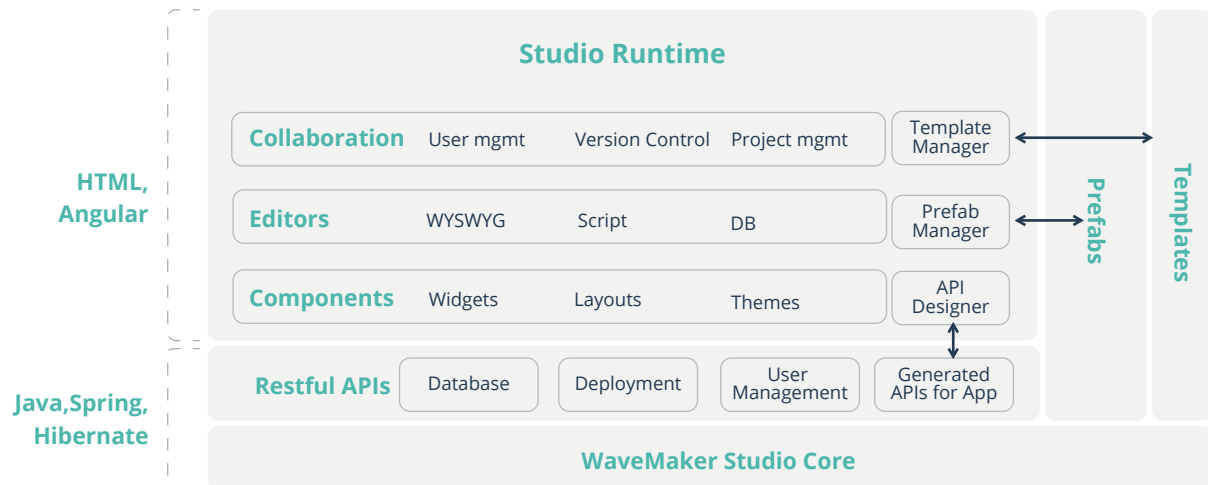
Integration with Wavemaker Platform is seamless and easy. Integration can happen without the need to write custom code, significantly reducing time and effort and eliminating errors.

DATABASES & SERVICES	MYSQL; ORACLE DATABASE , MICROSOFT SQL SERVER , POSTGRESQL , HSQLDB , FEED SERVICE , CUSTOM DATABASE (JDBC) , JAVA SERVICE , SOAP SERVICE , REST SERVICE
ENTERPRISE SYSTEMS	SHAREPOINT , QUICKBASE , SALESFORCE , YAMMER
CLOUD SERVICES	AMAZON SNS , AMAZON COGNITO , AMAZON MOBILE ANALYTICS, AMAZON S3 , GOOGLE CLOUD MESSAGING
AUTHENTICATION	LDAP , ACTIVE DIRECTORY , CAS , CUSTOM SECURITY
IDENTITY MANAGEMENT	GOOGLE LOGIN , TWITTER LOGIN , INSTAGRAM LOGIN , LINKEDIN LOGIN , FACEBOOK LOGIN
HOSTING & PUBLISHING	AMAZON WEB SERVICES , JAVA WEB SERVER , IBM WEBSHERE , MICROSOFT AZURE , MYSQL , APPLE APP STORE , GOOGLE PLAY
UTILITIES	SCHEDULER , MAIL UTILS , LIGHTBOX , GOOGLE CALENDAR , CHARTS , DATAMAPS , GOOGLE MAPS BING MAPS , QRCODE , ANGULARJS TREE
VERSION CONTROL & CUSTOMIZATION	BITBUCKET , GITHUB , APACHE SUBVERSION , MAVEN
OTHERS	MOJIO , YOUTUBE , FACEBOOK , CNN NEWS

WaveMaker Architecture

WaveMaker platform combines the ease of development, with the right architectural and technology choices to be able to build apps for the future. A typical application has 3 parts:

- Client-side app component that works on the device you use, User Interface.
- Central/remote Server component that provides backend services.
- Both these components are glued by well-defined REST API contract.



WaveMaker embraces the Single Page app model as against the traditional model, where the markup and other UI artifacts are generated on the server side for each request and sent to client. Single-Page Applications (SPAs) are Web apps that load a single HTML page and dynamically update that page as the user interacts with the app.

System Requirements

Platform

Hardware Configuration : Intel Dual-Core 8 CPU or compatible CPU ; 16 GB of RAM ; 100 GB of disk space

Supported Operating System : (Packaged with VM) Ubuntu 14.0.4LTS 64-bit

Studio

Supported Browsers : Chrome 33+ ; Apple Safari 6.1.6+ ; Internet Explorer 10+ ; Mozilla Firefox 15+