Genesis Platform

A Low Code Application Platform that enables the rapid development and deployment of financial markets business applications.

Genesis Platform provides a complete suite of reusable non-functional components, extensible functional components and DevOps tools, that collectively achieve a radical reduction in the amount of coding necessary to build financial market business applications (typically those that process financial instruments).

Reduced coding translates into substantially reduced, cost, delivery risk and delivery time both for building and enhancing applications. The resulting applications are robust, resilient, scalable, and secure.

The Key Features:

The platform comprises 3 levels of tooling:

1. Microservices Application Infrastructure
2. Business Component Library
3. No Code / Low Code / Pro Code & DevOps Tools
Level 1: Application Infrastructure

At the base layer there is a complete application architecture set of services for both server-side processing and user interface presentation layer. These services solve for all of the non-functional aspects of application build and provide common services that are configurable to achieve the functional aspect of each application built using the platform.

The server-side technology stack is Linux + Java, with NOSQL database for business data. The (web) client technology stack is Web Components + html and JavaScript.

Level 2: Business Component Library

The Business Component Library comprises extensible elements of business functionality that can be selectively incorporated into applications. The main elements are:

- A financial markets business data model
- Integration adapters preconfigured for a wide range of industry data sources and the leading industry vendor applications
- A set of functional modules that perform processing that is common across multiple financial markets applications e.g. settlement date enrichment
LEVEL 3: **Development/Operations (Dev Ops) Tooling**

The DevOps tools enable the rapid and efficient implementation of the complete project lifecycle for new applications from design, through development and testing to release and live operational support.

Tooling is provided for:

- ✔ **No-code development** - build data schemas, business logic and user interfaces with “No Code” tools
- ✔ **Low code development** - build/configure event handling, analytics, UI and other components with “Low Code” tools
- ✔ **Auto build/migration tools** that automate parts of the application build process
- ✔ **Test tooling** to automate testing of both platform and applications
- ✔ **Life cycle management support** for the complete life cycle pipeline tooling from requirements through to deployment release/upgrade
- ✔ **Infrastructure/environment management** - manage cloud or on-premise infrastructure and environments quickly and seamlessly

### ABOUT GENESIS

**Genesis is a global Financial Markets software company with a difference.**

We bring a fresh approach to helping firms adapt and innovate their business and operating models in an ever-challenging, constantly changing environment. Pioneering vision, coupled with our technical innovation, is at the heart of everything we do.

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**Low Code / Pro Code:** We are a “low code/pro code” application platform, cloud delivered as a service (aPaaS).

**Performance:** Developed over the years with Financial Markets firms, the Genesis platform is empowering the next generation of agile solution delivery.

**Flexibility:** We’ve flexible delivery options, so you can pick the best approach for your needs – now and in the future. “Build IT Your Way”, “Build IT Together” or “Ready Built”.

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