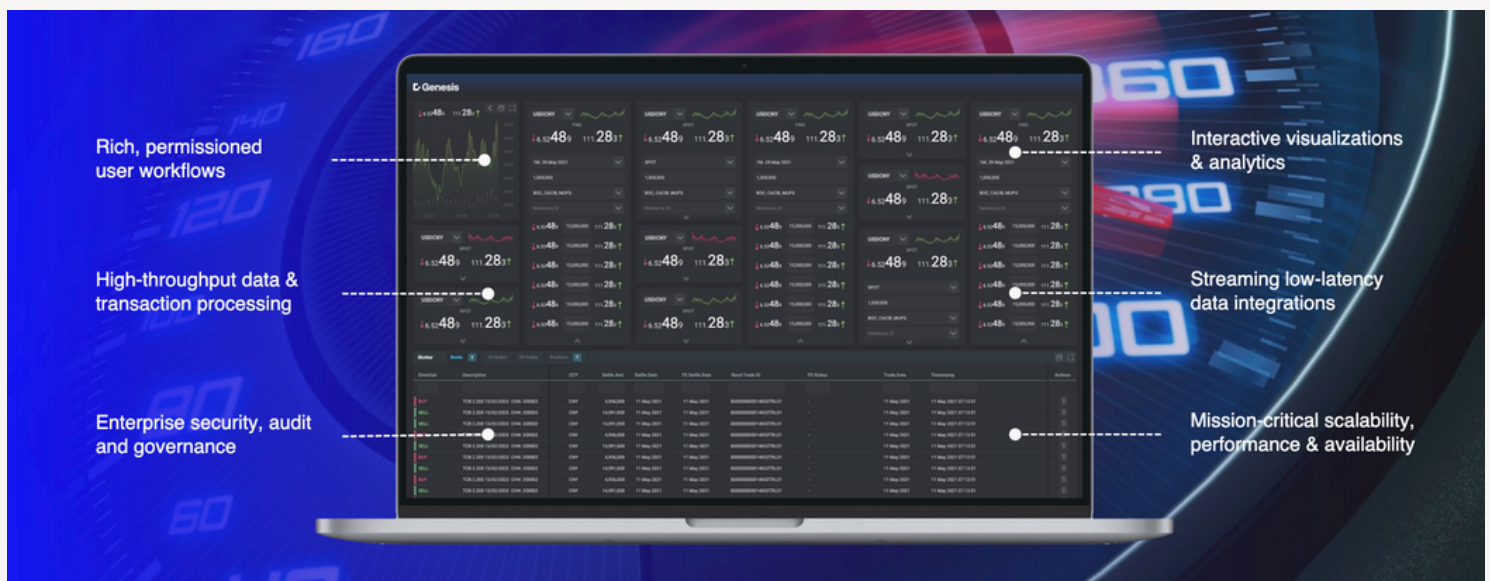# The Genesis Application Platform

Genesis is an Application Platform designed for the financial markets. It accelerates professional developers by fusing low-code, pre-built components and AI, for applications demanding the highest performance levels, resilience and security.

Transforming Software Delivery in Financial Markets

Firms must evolve and compete through technology in the volatile financial market landscape while ensuring regulatory compliance. However, technical skills shortages, legacy technology estates and the rise of end-user-created solutions can stifle innovation. These challenges can lead to project delays, budget overruns and falling behind competitors. Genesis transforms financial markets software creation by providing a full-stack, compliant application platform. Our platform accelerates development and empowers a broader pool of developers which propels firms to the frontier of innovation.

Genesis is designed for professional developers. It offers an IDE-based, hybrid experience that enables a seamless transition between the power of low code and the flexibility of traditional programming languages. The platform is designed for interoperability within enterprise ecosystems. It leverages existing infrastructure across the software development lifecycle, spanning from CI/CD and access control to observability and runtime environments. Genesis accelerates delivery and reduces the total cost of ownership for financial markets-grade solutions. It does this by streamlining the design, coding and deployment of well-architected and maintainable applications.

Design complete, well-architected, financial markets-grade applications – fast

Genesis streamlines the creation of high-performance applications, which enables developers to focus on business logic rather than architecture:

Intuitive DSL

quickly defines applications and their components, workflows and business logic.

Pre-built Integrations

with financial markets systems and standard interfaces to accelerate integration with anything.

Complete UI/UX

capabilities optimized for the financial markets, with a UI component library and configurable design system.

Code freely within your IDE, using the Genesis DSL and mainstream languages.

Genesis fuses low code with Java, Kotlin, and TypeScript in a hybrid development experience within the tools you already use:

AI-Powered IDE Plugins

for code completion and simplified local testing & deployment.

Developer Tools

to quickly initiate new projects from templates, existing spreadsheets or databases.

Interoperability

to seamlessly incorporate custom Java, TypeScript, or Kotlin code when needed.

Deploy applications seamlessly and securely using existing infrastructure.

Genesis integrates with your existing deployment processes and infrastructure. This supports a smooth and secure transition from development to production:

CI/CD Integrations

for seamless deployment and promotion across environments.

Testing Integrations

for unit and end-to-end testing with leading frameworks.

Flexible Deployment

to a preferred container or VM-based infrastructure.

Operate robust, high-performance applications securely in enterprise ecosystems.

Genesis ensures robust performance and security while leveraging your existing systems:

High-Performance Core

for running performant, scalable and resilient microservices-based applications.

Interoperability

with leading observability and logging tools for audit, health and performance monitoring.

Authentication & Authorization Integration

with MFA & SSO for fine-grained, role-based access control.