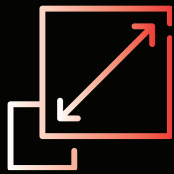# FSS BLAZE™

A NEW AGE PAYMENTS TECHNOLOGY PLATFORM

BROCHURE

Your Bank's tech stack needs an upgrade

Monolithic Architecture

Low Scalability
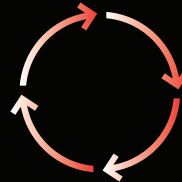
High Complexity

High Resource Dependencies

Poor User Experience

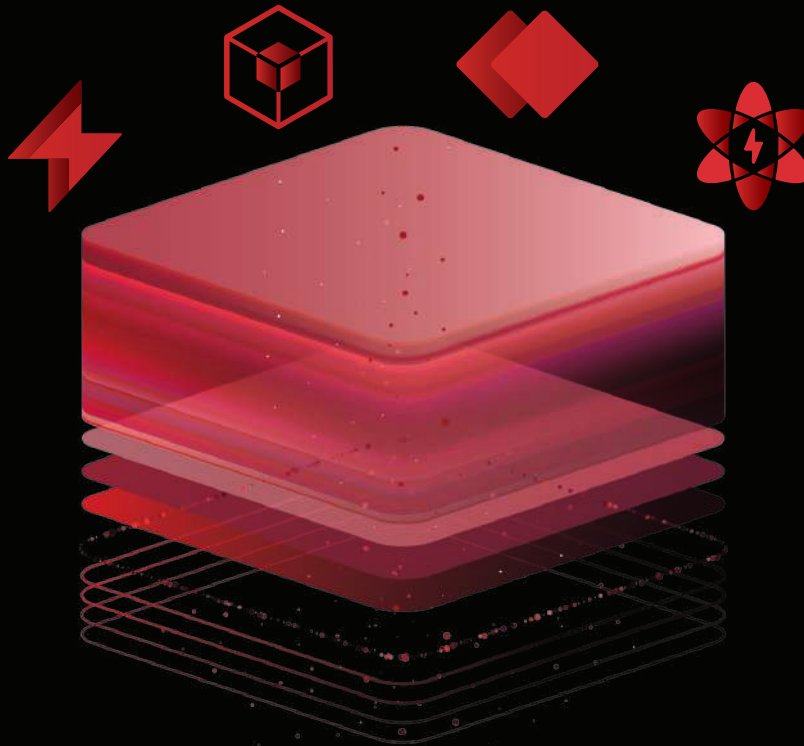**Difficult to Maintain**

Slow Release Cycle

Difficult to Upgrade

Problems faced by Banks today

Banks today cannot afford falling behind the technology curve. With rapid innovation in applied AI and gen AI, banks need an infrastructure that can support their transformation journey. However, its their own tech stack has been an incumbent to progress due to their heavy, monolithic architectures.

At FSS, we acknowledge this challenge, and as a pure BankTech for over three decades, who understand banks, their tech stack and its scope to become better, we have created a payment platform that will alleviate not just the hurdles against continuous growth, but also provide a way forward to rapidly evolve and lead the future of payments.

Introducing

FSS BLAZE™

A new age payment technology platform, built for financial institutions.

20,000+ TPS
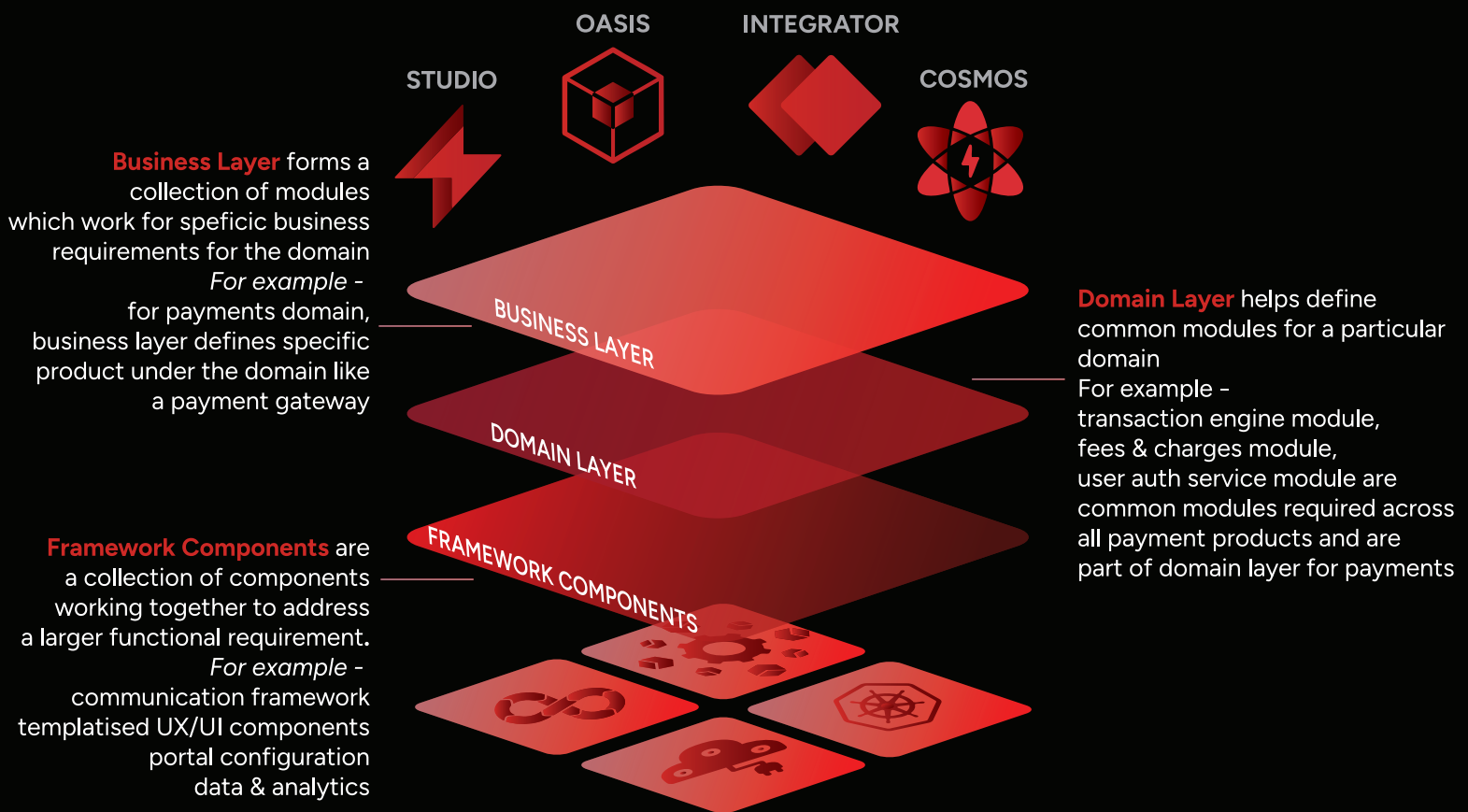
Go-live in ≤ 3 Months

| Low code builder | Data to insights |
| Generative AI | Integrates seamlessly |

FINANCIAL SOFTWARE AND SYSTEMS PVT. LTD.

FSS BLAZE™ is a next-generation, cloud-native payments platform designed to help banks and financial institutions modernize their payments infrastructure. Built on microservices architecture, it delivers unmatched scalability, performance, and flexibility, enabling seamless integration with existing systems and emerging digital ecosystems. Its modular design accelerates the launch of new services, helping banks stay ahead in a competitive and rapidly evolving market. By leveraging cloud technology, the platform reduces operational costs and enhances efficiency, making it a future-ready solution to meet the growing demand for innovative, high-performance payment systems.

Anatomy of FSS BLAZE Platform

STUDIO OASIS INTEGRATOR COSMOS

Business Layer forms a collection of modules which work for speficic business requirements for the domain
For example -
for payments domain, business layer defines specific product under the domain like a payment gateway

BUSINESS LAYER

DOMAIN LAYER

FRAMEWORK COMPONENTS

Domain Layer helps define common modules for a particular domain
For example -
transaction engine module, fees & charges module, user auth service module are common modules required across all payment products and are part of domain layer for payments

Framework Components are a collection of components working together to address a larger functional requirement.
For example -
communication framework templatised UX/UI components portal configuration data & analytics

FSS BLAZE™, built on a robust microservices architecture, stands as a formidable backbone powering a resilient and dynamic transaction engine. This transaction engine is engineered to excel in the face of scalability challenges, ensuring success even under demanding workloads. The microservices architecture enables the transaction engine to break down complex processes into modular, independent components, allowing for seamless integration and orchestration. This approach empowers businesses to achieve scalability by adding more instances horizontally or enhancing computing power vertically, adapting to varying transaction volumes.

FSS BLAZE™ STUDIO

A low code application builder to help you go live with your payment feature or application in less than 3 months. Create a prototype within a week. With its visual work flow builder and 200+ UI templates, its as intuitive as doing drag and drop to create responsive apps.

Go-live with your ideas in ≤ 3 months with low code

CODE AUTOMATION

Generate backend and frontend code instantly, reducing development time and manual effort effortlessly.

PRE-BUILT UI COMPONENTS

Access 200+ ready-to-use UI elements to create dynamic, responsive interfaces with ease.

RAPID DELIVERY

Streamline workflows to meet tight deadlines without compromising on quality or performance.
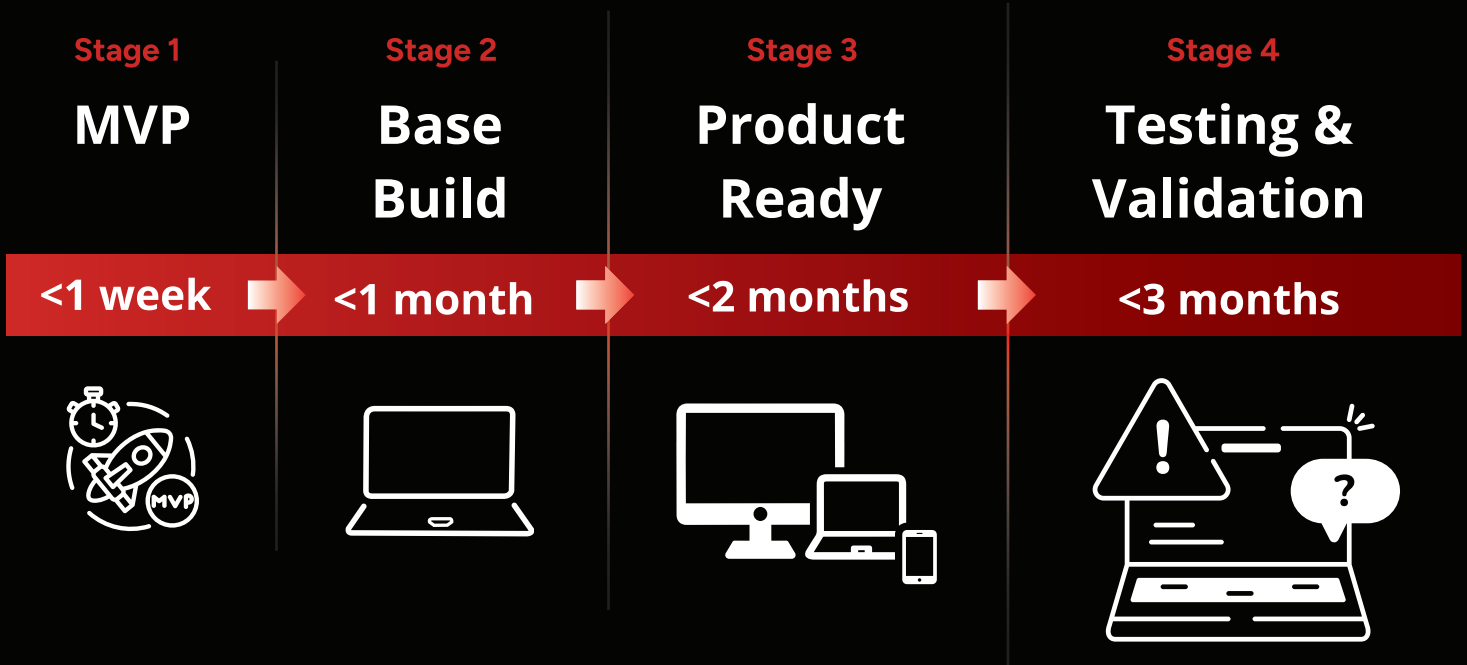
END-TO-END CONSISTENCY

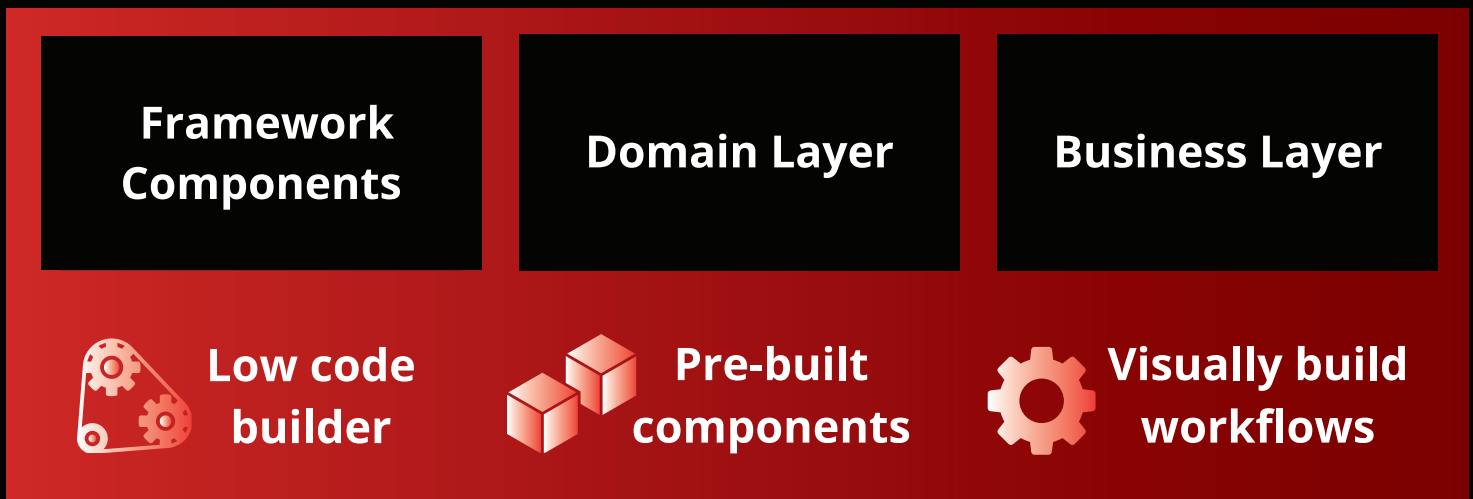Achieve reliability with automated workflows and standardized code generation.

Key Highlights

- Streamline backend and frontend development with a single click.
- Minimize manual effort while reducing costs and maintaining high quality.
- Pre-built components and microservices tailored to your business needs.
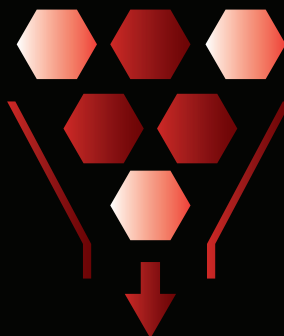- A unified platform for consistent, reliable, and efficient development.

FSS POWERING PAYMENTS

⚡ How to build faster with *FSS BLAZE*™

Stage 1	Stage 2	Stage 3	Stage 4
MVP	**Base Build**	**Product Ready**	**Testing & Validation**
<1 week	<1 month	<2 months	<3 months

Convert ideas to product with FSS BLAZE™

Framework Components	**Domain Layer**	**Business Layer**
Low code builder	**Pre-built components**	**Visually build workflows**

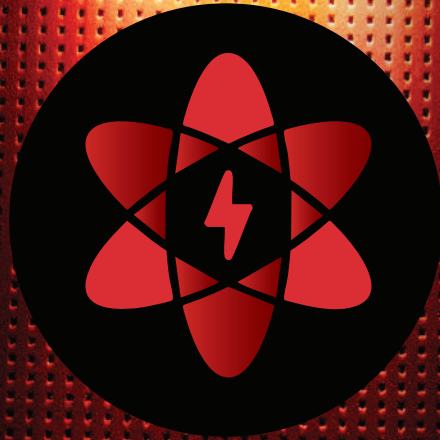## Go live in less than 3 months

((•)) Product Live

FSS BLAZE™ COSMOS

With an AI/ML powered core powering its Generative and Predictive intelligence engines, Cosmos brings the power of AI to your banking apps at scale, ensuring innovation while maintaining compliance. Auto - generate code, UI, logic to speed development and much more!

Generative Intelligence, powered by an AI/ML Core

AI AT SCALE

Seamlessly integrates AI/ML into Blaze, delivering scalable, data-driven solutions for automation, analytics, and evolving business needs.

FASTER DEVELOPMENT

Generative AI automates code generation, logic creation, and unit testing, accelerating workflows and reducing time-to-market for complex projects.

SMART INSIGHTS

Combines predictive analytics, NLP, and AI-driven algorithms to deliver real-time insights, fraud detection, and customer-focused decision-making.
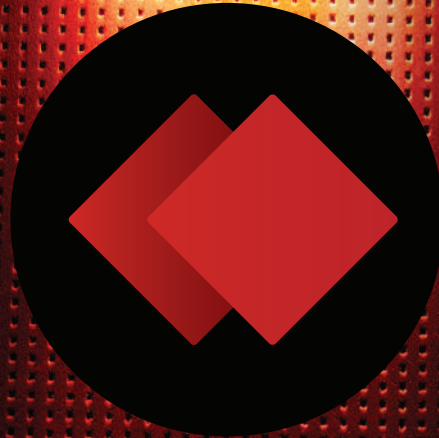
FLEXIBLE & FUTURE-READY

Offers adaptable AI solutions with virtual assistance and tailored recommendations, meeting diverse industry demands and future trends.

Key Highlights

- End-to-end AI/ML features for automation and analytics within Blaze.
- Advanced tools for auto-generating code, UI, and logic to speed development.
- Context-aware assistants (e.g., Cosmo-Mate) for real-time, personalized support.
- High-performance, secure, multi-cloud-ready Cosmos-AI architecture.

FSS BLAZE™ INTEGRATOR

One of the biggest challenges to new tech is its integration with the existing system. Integrator is a powerful solution to streamline integration efficiently, connecting modern and legacy systems, and setting up intelligent data routing for optimizing workflows.

Seamless integrations with both legacy and modern systems

UNIFIED DATA EXCHANGE

Seamlessly connect diverse systems, enabling effortless data exchange and interoperability.

REAL-TIME PROCESSING

Enable high-speed data streaming and transformations for instantaneous insights and decision-making.

SECURE CONNECTIVITY

Ensure compliance and safeguard sensitive data with secure connections to multiple systems.

INTELLIGENT DATA ROUTING

Dynamically route data to multiple destinations based on content for optimized workflows.

Key Highlights

- Simplified protocol and format conversions for compatibility between heterogeneous systems.
- Secure and compliant integrations with robust encryption and regulatory adherence.
- Real-time data validation and transformation for faster, accurate processing and insights.
- Seamless data exchange across diverse systems for streamlined operations and interoperability.

FSS BLAZE™ OASIS

Unified data intelligence stack, with a combination of data engineering, data science, and D3 decision science to provide a comprehensive decision support system. Combined with an NLP module, Oasis converts conversations to insights.

Data to Intelligent Insights, right from spoken language

UNIFIED DATA INTELLIGENCE

Combines Data Engineering, Science, and Decision Science (D3 Stack) to provide a comprehensive decision-support system.

CLOUD-AGNOSTIC AND SCALABLE

Built for seamless deployment across AWS, Azure, GCP, or on-premise environments with elastic, fault-tolerant architecture.

HIGH-QUALITY INSIGHTS, ON-DEMAND SECURE DATA ASSETS

Enforces robust governance, lineage, and quality management to ensure precise, reliable, and secure analytics for critical decisions.

STREAMLINED DATA-TO-INSIGHT WORKFLOW

Enables batch and real-time processing with automated workflows and a Generative AI assistant for dynamic, real-time analytics and swift decisionmaking.

Key Highlights

- From data ingestion to reporting, Blaze Oasis provides a complete, structured approach for business intelligence.
- Customizable Reporting, Dashboards, Conversational NLP based "Oasis Genie" for quick insights.
- Role-based, interactive dashboards with features like ad-hoc reporting, exception analysis, and KPI tracking.
- Built-In Data Governance & Security.
- Enforces policies for access control, encryption, and compliance, ensuring enterprise-grade protection.

Built better, so your apps can perform their best

In the age of platform revolution, picking the right platform can be a tricky affair. FSS BLAZE comes with characteristics that make it the most reliable, robust and future-ready platform in the market.

CREATIONAL | STRUCTURAL | BEHAVIOURAL

Scalability
Ability to handle increasing workload and traffic spikes without hampering performance

Extensibility
Ease of extending a system for adding new functionality

Consistency
Consistency across data, user experience, functionalities and across all products

Availability
Always accessible and operational, without any downtime

Agility
Easily portable and compatible with any application

Compliance
Adherence with regulatory laws and ease of compliance updates

Durability
Functioning accurately and consistently over a period of time

Usability
Ensuring elevated user experience with ease of usage

Security
Industry leading security with DevSecOps practices

Performance
Allowing users to perform tasks quickly and efficiently

Resiliency
A fail-safe in case of a failure and ability to quickly recover for zero interruptions

Observability
Dynamic reporting dashboards with ML/AI backed insights for every component and module

Security by design, with DevSecOps practices

Our platform team follows DevSecOps best practices that works to automate and integrate the processes between product managers, software development, and IT teams,so they can track, build, test, and release software faster and reliably.

- Continuous software delivery
- Less complexity to manage
- Faster resolution of problems
- Improved communication and collaboration
- Faster delivery of features
- More stable operating environments

- Rapidly addressing security vulnerabilities
- Shared responsibility across teams
- Improved application security
- Swift and economical software delivery
- Suitable for automation in a contemporary development team

FINANCIAL SOFTWARE AND SYSTEMS PVT. LTD.

FSS
POWERING
PAYMENTS

Your partner in the transformation journey

Our technology, your business.
We power the tech, so you can focus on your core competencies.

We laid the foundation of
India's ATM network

34 years of experience
in architecting national payment infrastructures

2000+ payment experts
building reliable payment products and providing support 24x7x365

Continuous innovation
in partnership with policy makers, schemes, regulators and leading global institutions

7 national level deployments
building national payment architecture across ME and Africa

The world leader in digital payments

150+
customers

26
countries

800M+
cards issued

5
continents

7B+
transactions processed annually with FSS Switch

3B+
transactions processed annually on FSSNeT

>30%
share of transactions as India's largest IMPS processor

FSS
POWERING PAYMENTS

Empowering Commerce, Communities, & Economies

FINANCIAL SOFTWARE AND SYSTEMS PVT. LTD.

FSS
POWERING PAYMENTS

ABOUT FSS

Financial Software and Systems (P) Ltd. or FSS is a leader in payments technology and transaction processing. FSS offers an integrated portfolio of software products and hosted payment services built over three decades of experience. Headquartered in India, FSS services leading global banks, financial institutions, processors, central regulators, and governments across North America, UK/Europe, Middle East, Africa, and APAC.

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