



TEAM NAME and MEMBER DETAILS

FinSafe – Privacy-First Data Sharing for Fintech

Member 1 Charu Sharma

Member 2 Jessica Sajwani

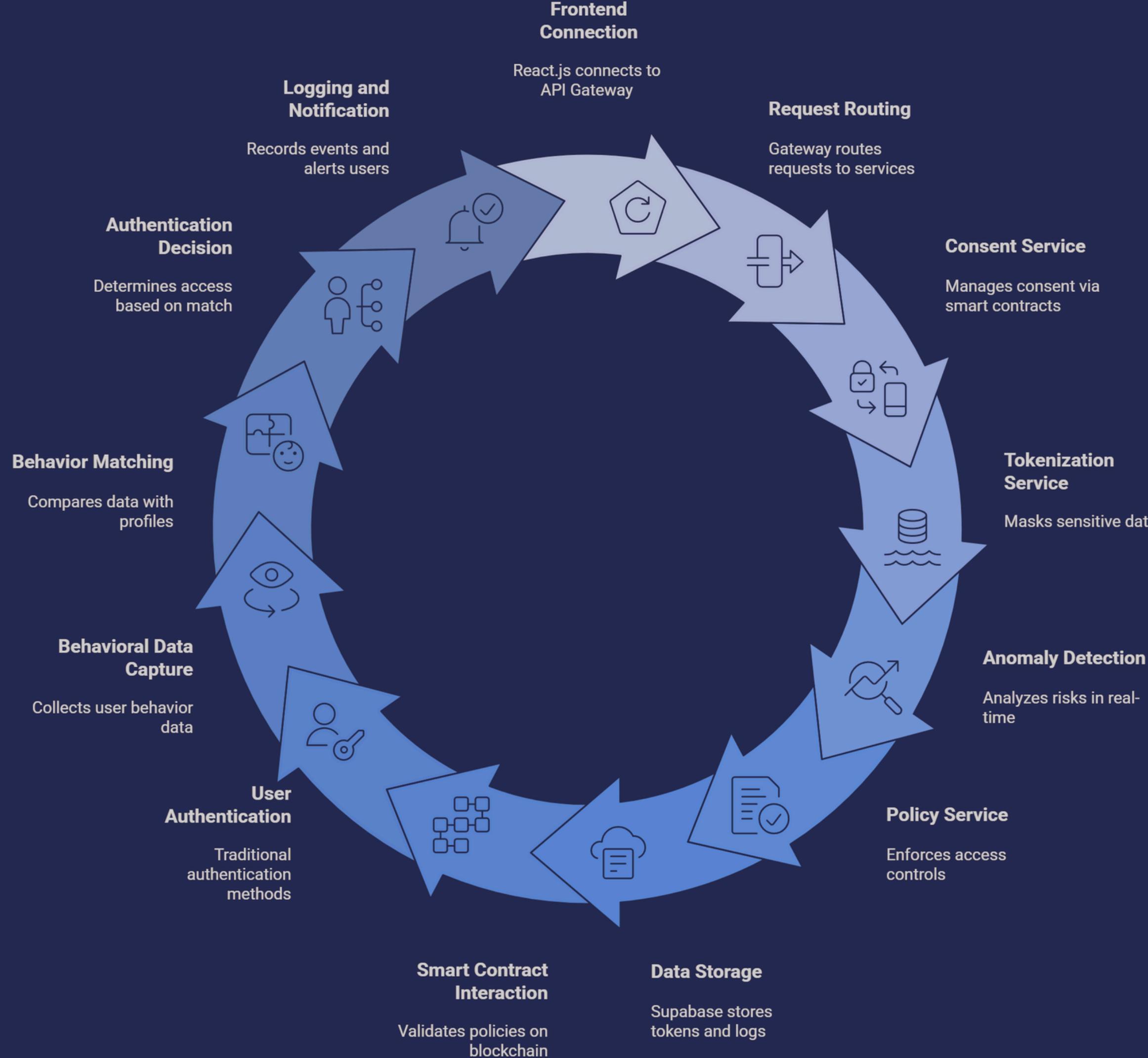
Member 3 Sanya Asrani

Member 4 Sargam Tripathi

THEME: *Securing Sensitive Customer Data in Fintech Ecosystems
with Responsible Data Sharing and Privacy Protection*

WORK

FLOW



How Is FinSafe Different from existing solutions?



Existing Solutions

Basic API encryption

Manual consent management

Static access policies

Siloed compliance logs

FinSafe

Tokenization + Smart Contracts for granular control

Self-service dashboard for real-time user control

AI-driven anomaly detection for proactive security

Blockchain-based audit trails for tamper-proof records



WIREFRAMES

- Frontend (React.js) UI for users to give consent, view logs, and control access
- API Gateway Centralized interface for routing requests
- Consent Service Handles granular user permissions
- Tokenization Service Converts sensitive fields into tokens
- Anomaly Detection Flags abnormal access/usage patterns
- Supabase Stores metadata, tokens, user activity logs
- ML Model Detects fraudulent patterns and risky behavior



SIGNIFICANCE

Problem It Solves

Fintech apps often need access to sensitive user data like

- Bank account details
- KYC/ID verification data
- Transaction histories
- Financial health metrics

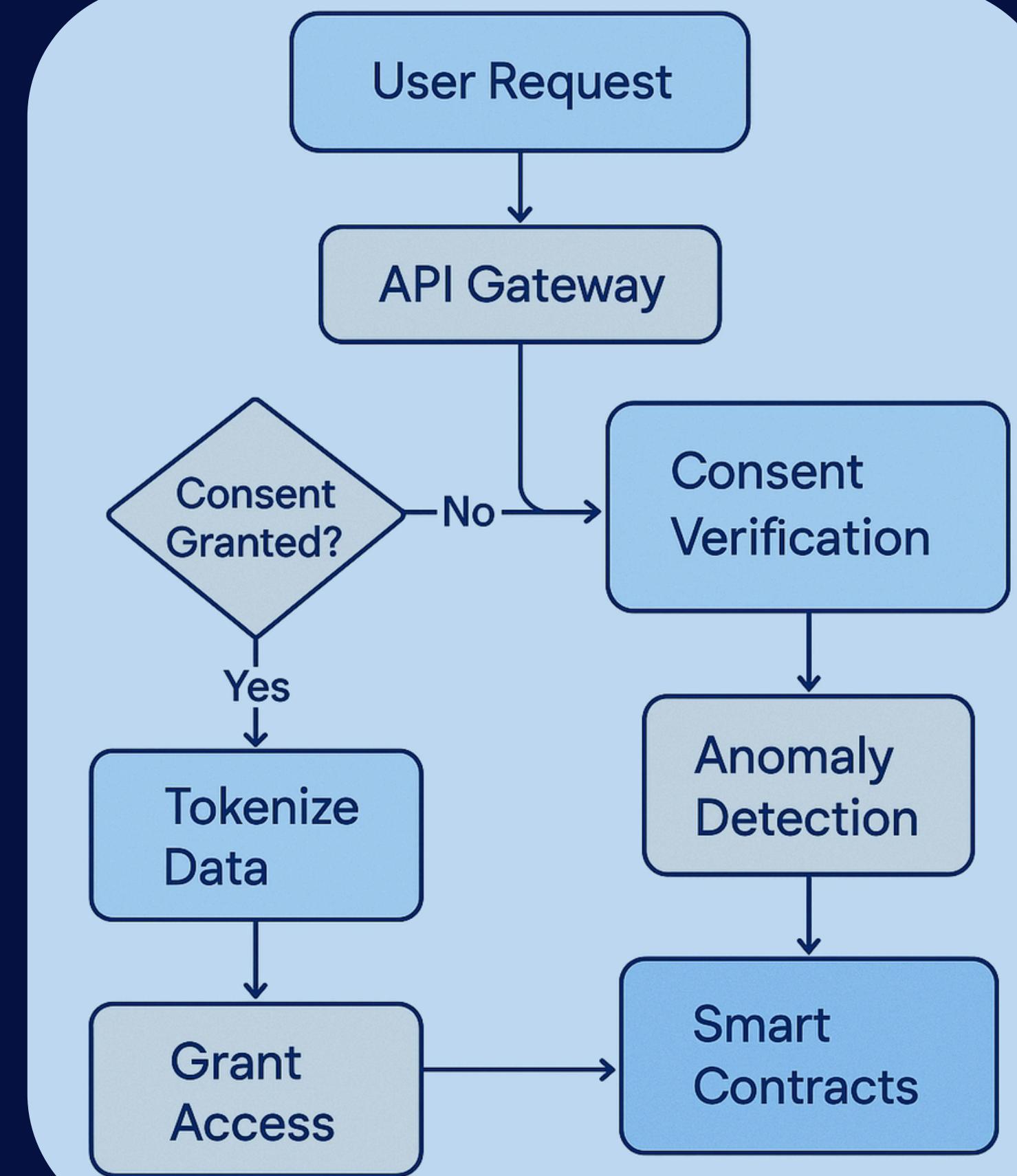
Challenges

- Data breaches and misuse
- No user control post-sharing
- Compliance issues (GDPR, DPDP Act, etc.)
- No transparency/audit of who accessed what

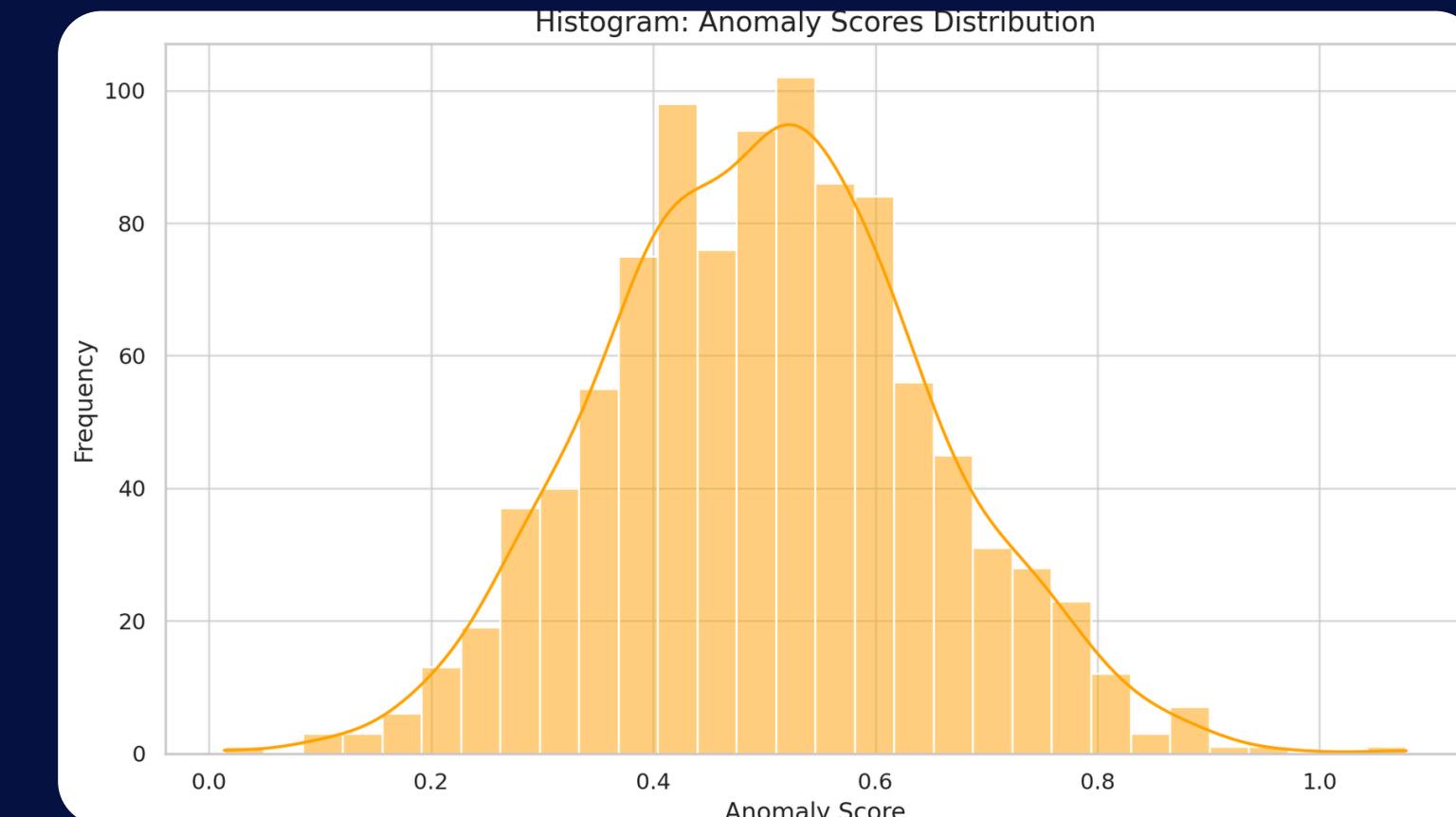
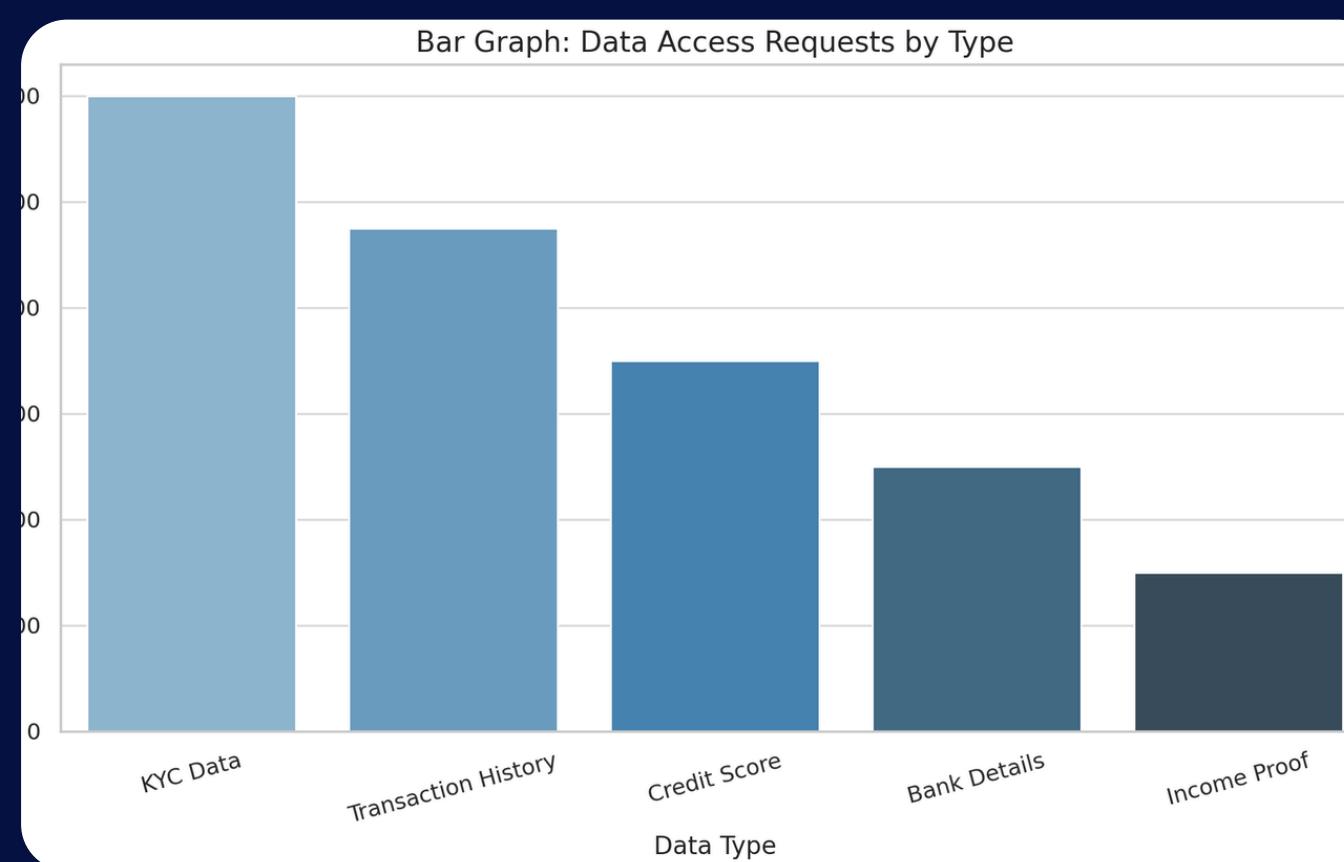
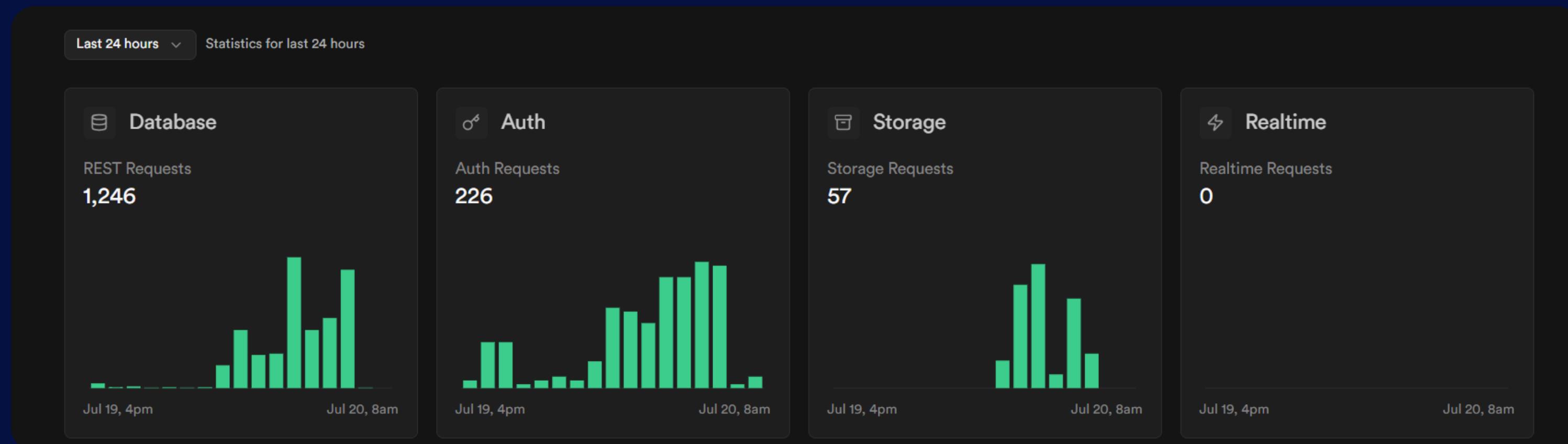
FinSafe solves these by ensuring

- User-centric consent-driven sharing
- Real-time risk monitoring with ML
- Data control, transparency, and compliance

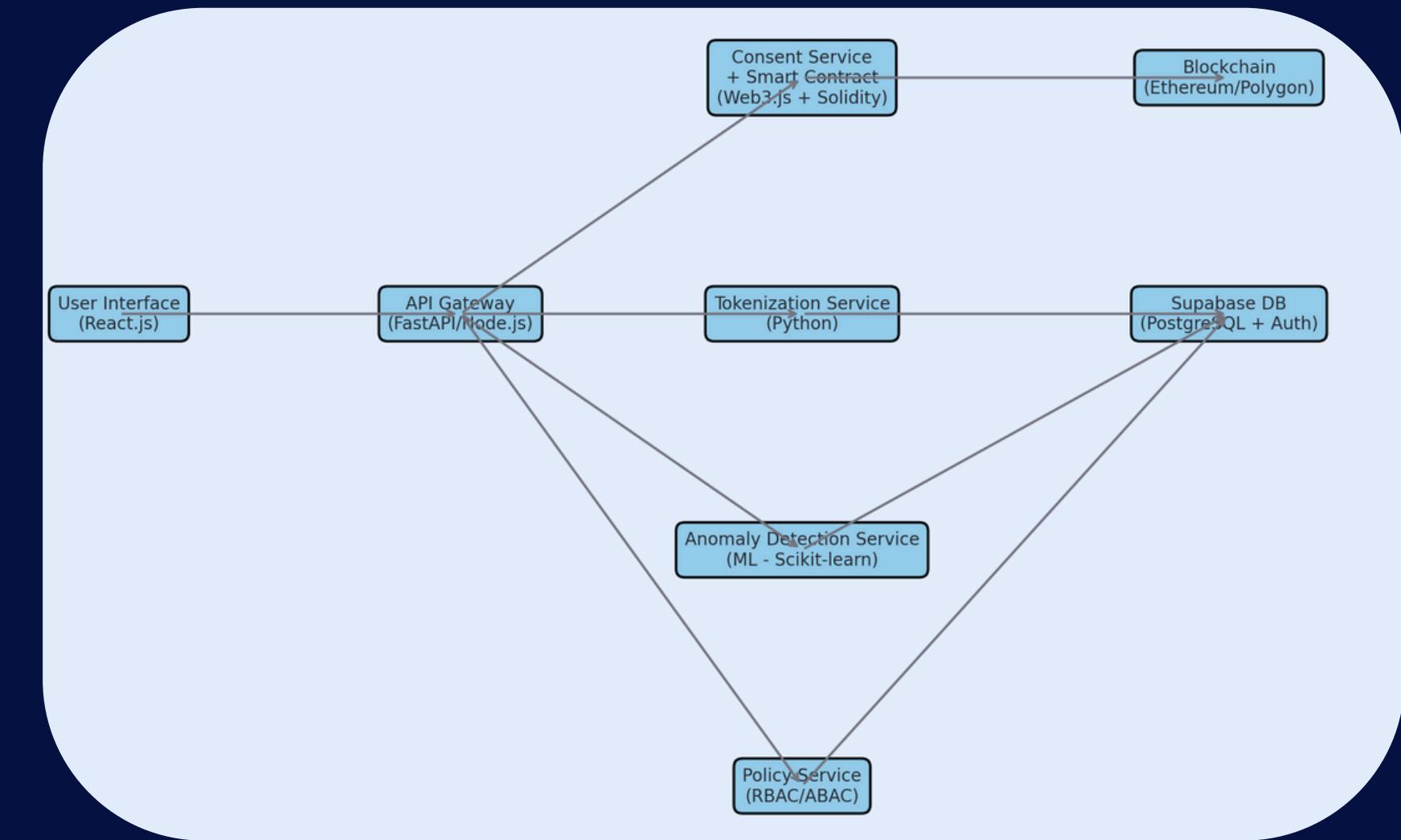
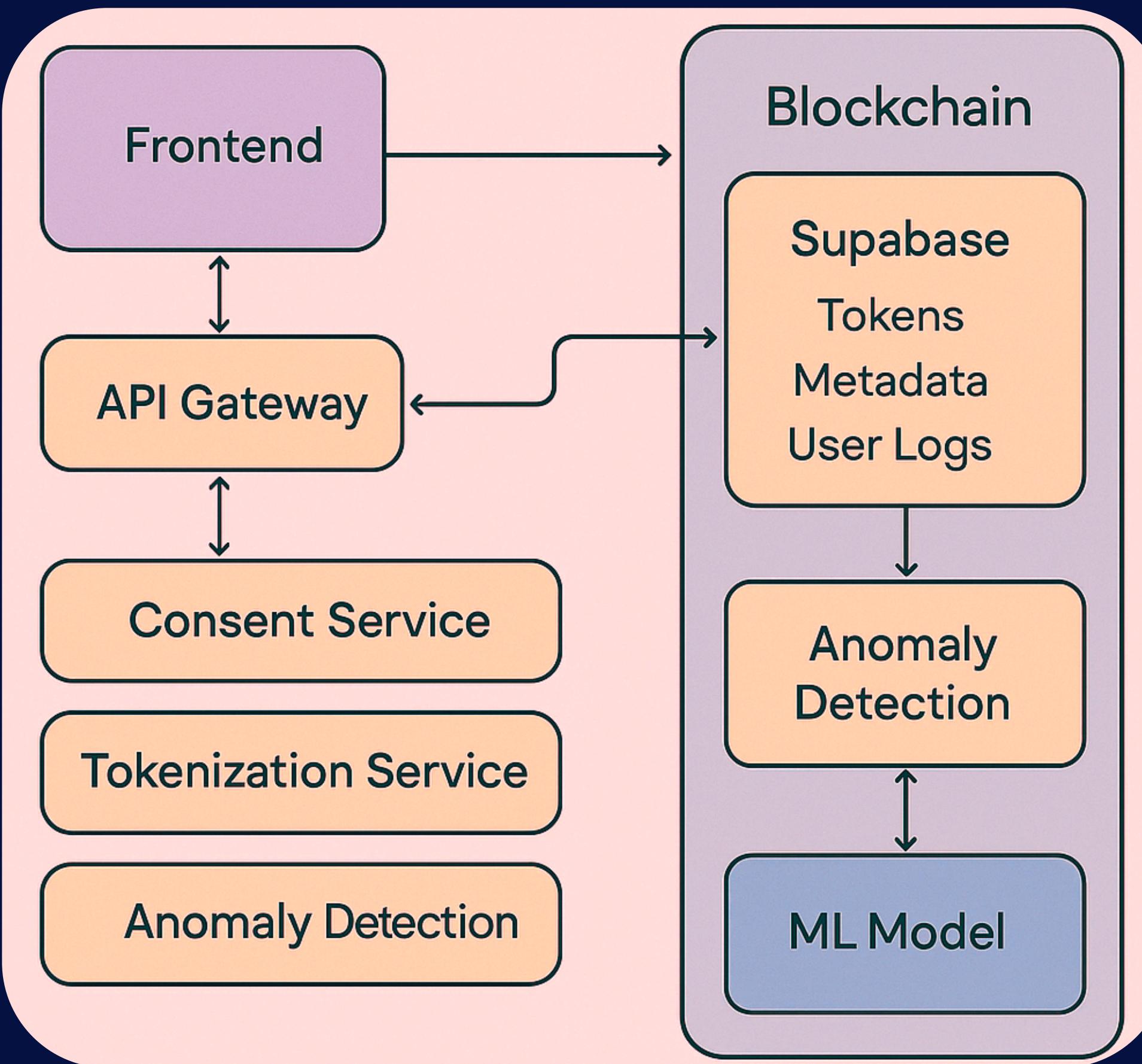
FLOW CHART



GRAPHICAL REPRESENTATION



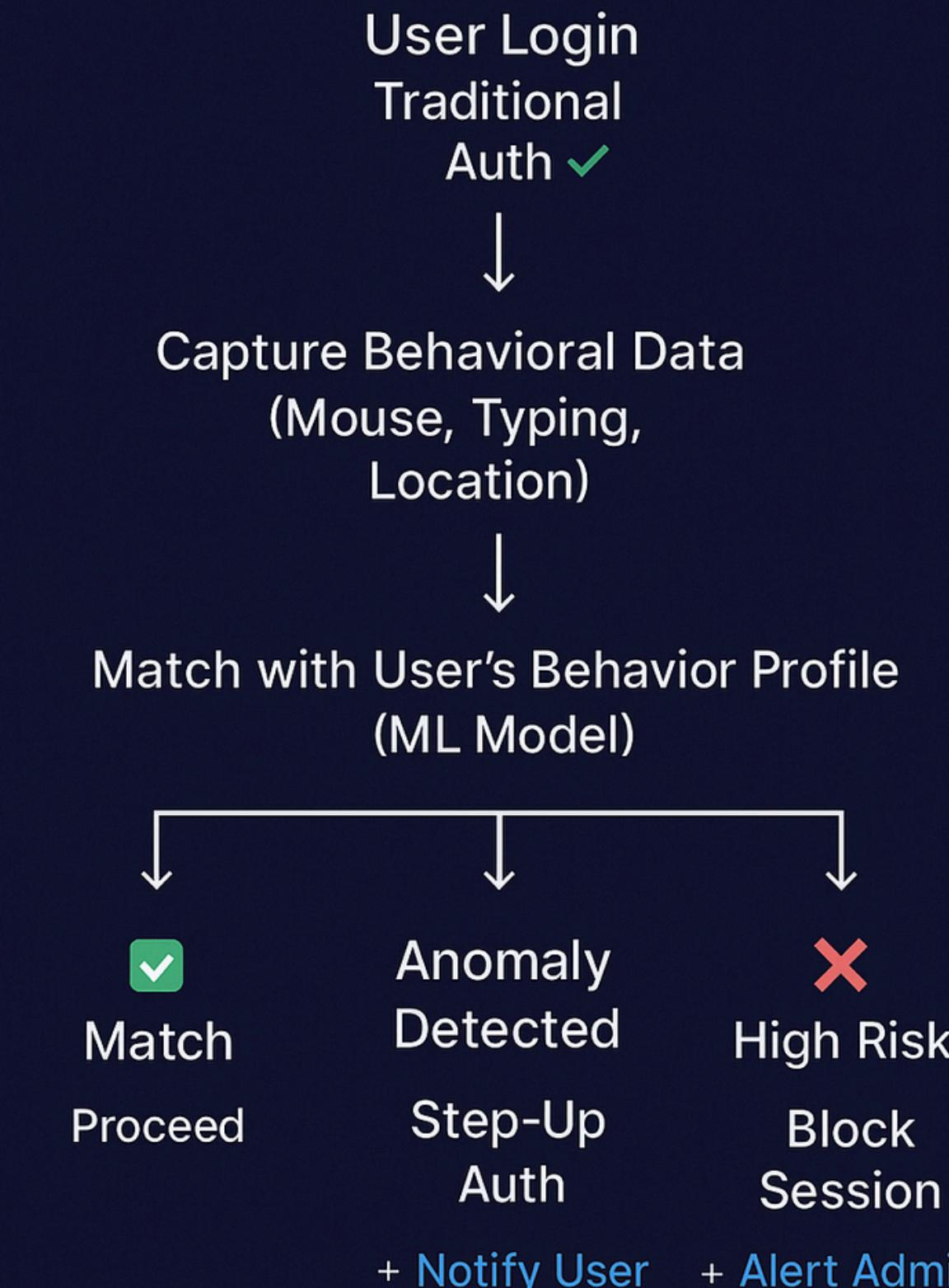
ARCHITECTURE DIAGRAM





BEHAVIOURAL AUTHENTICATION FLOW

User Login → Behavioral Risk Assessment Flow



ATTACHMENTS



finSafe

Dashboard Data Sharing Permissions Audit Logs Compliance Tokenization ⚙️ ➔

Secure Fintech Data Sharing Made Simple

finSafe enables secure, compliant data sharing between financial institutions with advanced tokenization, smart contracts, and real-time monitoring.

[Get Started Free](#) [View Demo](#)

Enterprise-Grade Security Features

Protect sensitive financial data with advanced privacy controls

Dynamic Tokenization
Replace sensitive data with secure tokens while preserving format and functionality.

Smart Contracts
Embed usage policies directly into data with automated enforcement.

Real-Time Monitoring
Monitor data access patterns and detect anomalies instantly.

User Consent Control
Give customers full control over their data sharing preferences.

Compliance Ready
Automated reporting for GDPR, DPDP Act, and other regulations.

API Integration
Seamlessly integrate with existing fintech infrastructure.

Create your finSafe account

Or sign in to existing account

Demo Mode: Enter any email and password to create an account. No email verification required.

Email address

Password

Confirm Password

[Create account](#)

Compliance Dashboard

Monitor compliance status and generate regulatory reports

Overall Compliance **98%** Active Issues **0** Reports Generated **3** Audit Events **19** **Compliance Score 98%**

Compliance Metrics

Real-time compliance status across all categories

Security

- Access Controls: Granular permissions are configured for data access **98%**
- Data Encryption: Data is encrypted in transit and at rest **95%**
- Incident Response: Incident response procedures are in place **92%**

Data Management

finSafe - Secure Fintech Data Sharing Platform

finSafe enables secure, compliant data sharing between financial institutions with advanced tokenization, smart contracts, and real-time monitoring.

[netlify.app](#)

Generate Compliance Reports

Create detailed compliance reports for regulatory requirements

GDPR Report
European data protection compliance assessment [Generate Report](#)

DPDP Act Report
Indian data protection compliance assessment [Generate Report](#)

SOC 2 Type II
Security, availability & processing integrity controls
Audit logs required: 7/5 [Generate Report](#)

THANKYOU



Prototype Submission Phase





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FinSafe – Privacy-First Data Sharing for Fintech

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SOLUTION



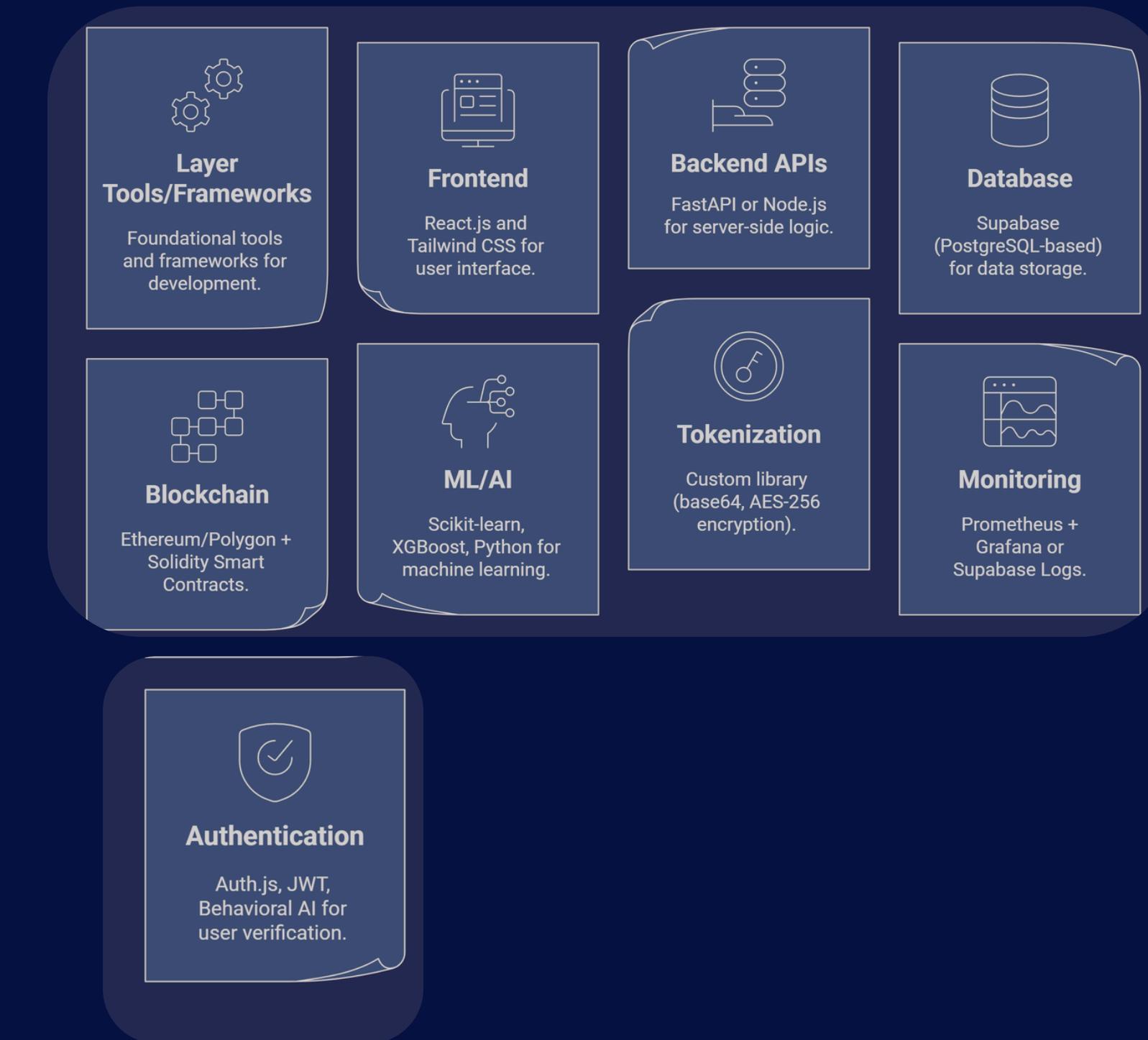
FinSafe – “Privacy-by-Design Data Sharing Framework for Fintech”

FinSafe is a secure, privacy-preserving, and compliance-ready platform designed to facilitate controlled sharing of sensitive financial data between users, fintech platforms, and trusted third parties. It leverages tokenization, behavioral authentication, anomaly detection, and blockchain to ensure transparency, data ownership, and security.



WIREFRAMES

- Frontend (React.js) UI for users to give consent, view logs, and control access
- Frontend : React.js + TypeScript , Tailwind CSS ,Vite
- Backend : Handled by Supabase which provides:
PostgreSQL,Authentication ,APIs
- Infrastructure & Tooling: .env and config files for managing environment-specific variables ,PostCSS and ESLint
- API Gateway Centralized interface for routing requests
- Consent Service Handles granular user permissions
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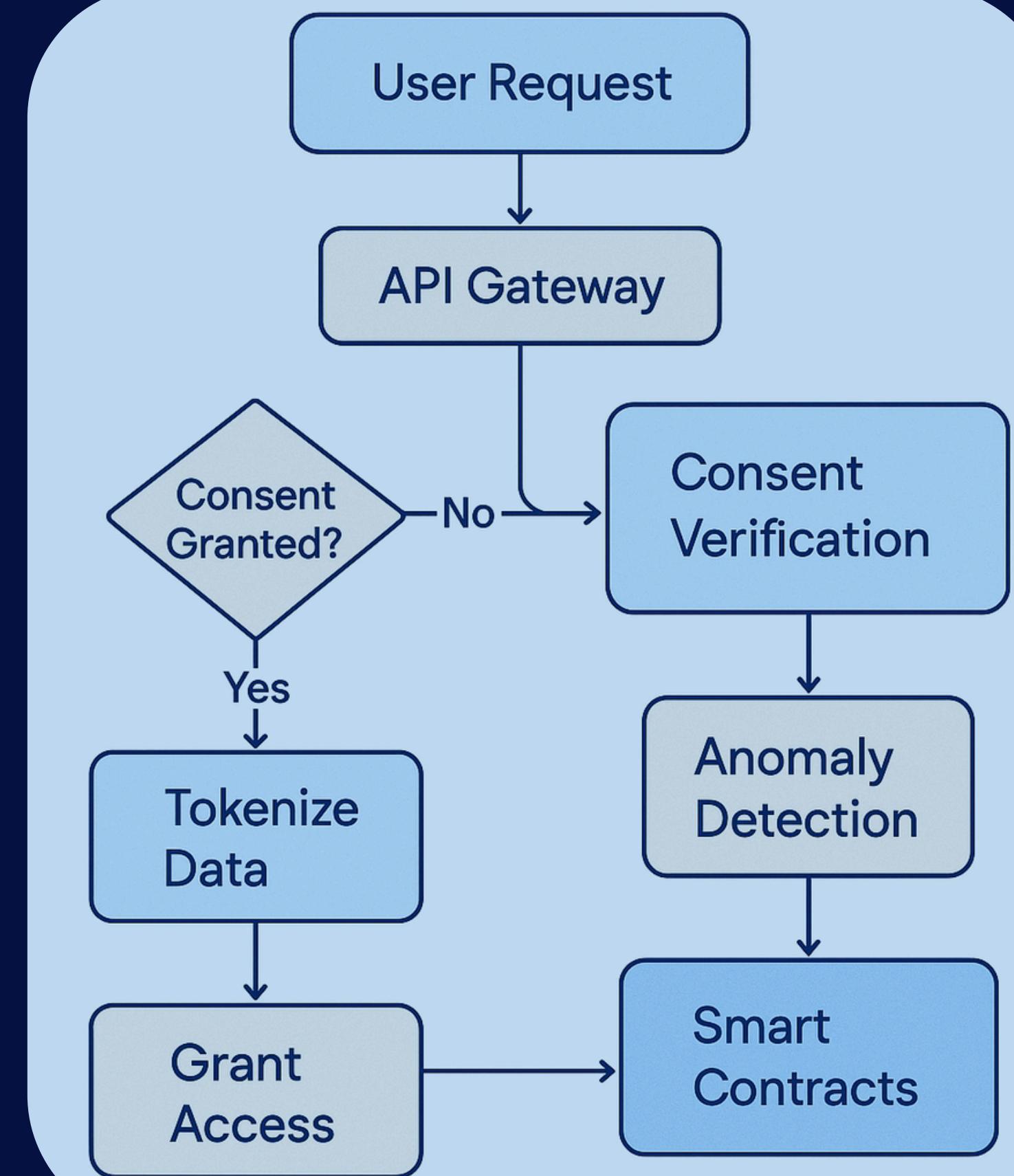
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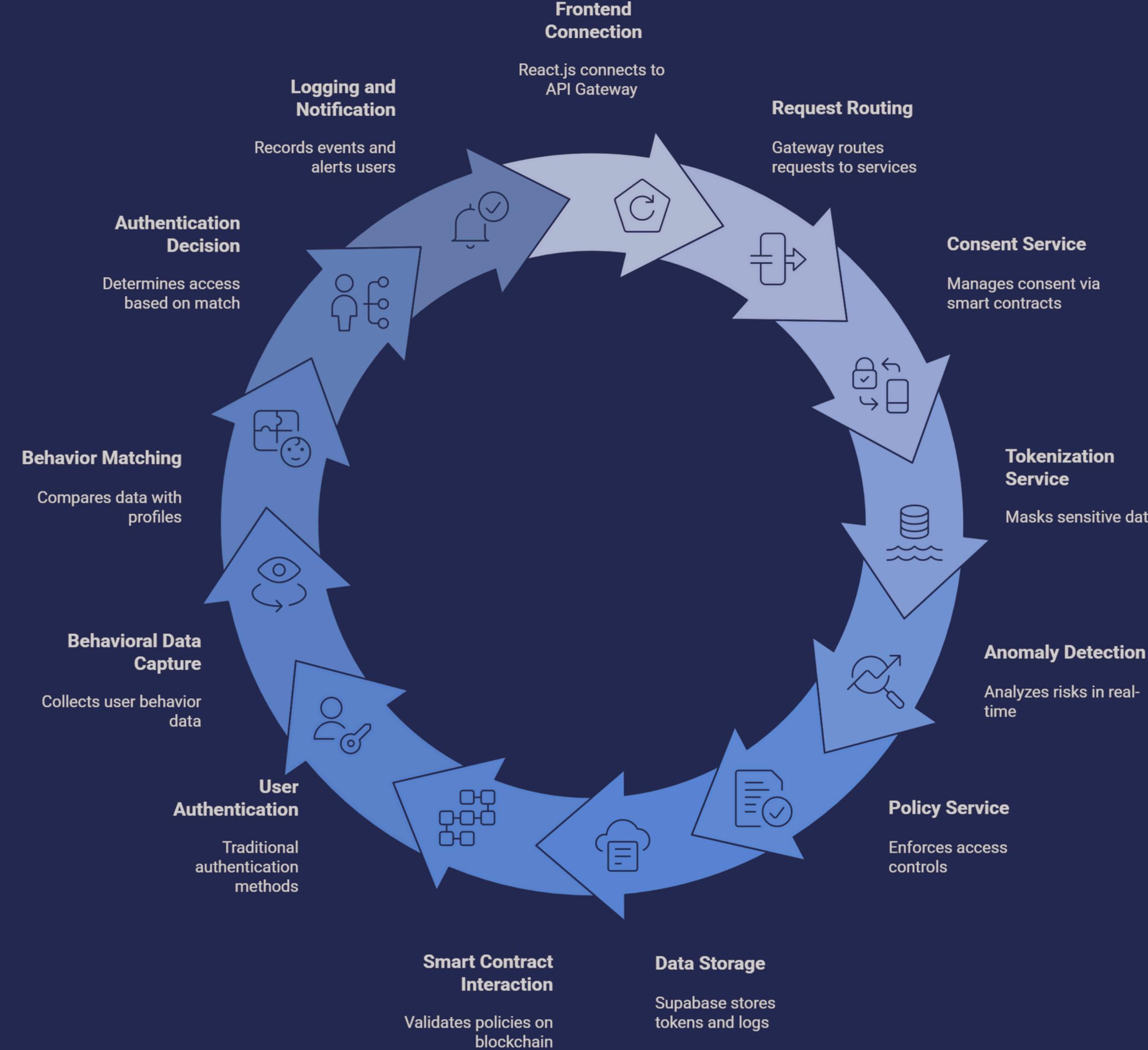
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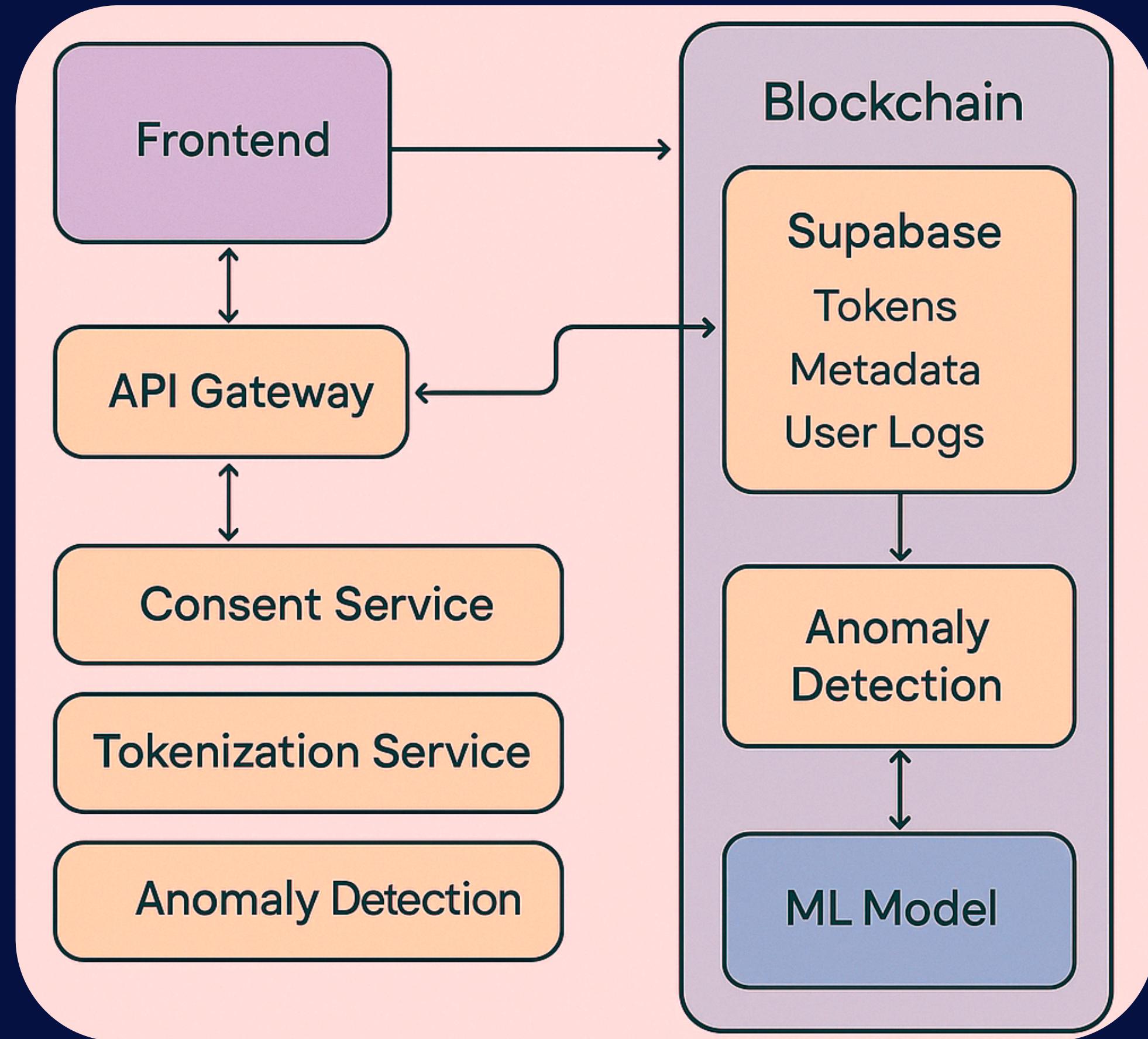
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WORKFLOW



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