

Fraud Detection & Prevention in Fintech Market Forecasts to 2034 – Global Analysis By Solution (Fraud Detection Solutions, Fraud Prevention Solutions and Services), Deployment, Fraud Type, Application, End User and By Geography

<https://marketpublishers.com/r/F3490FE51F12EN.html>

Date: March 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: F3490FE51F12EN

Abstracts

According to Statistics MRC, the Global Fraud Detection & Prevention in Fintech Market is accounted for \$39.8 billion in 2026 and is expected to reach \$121.6 billion by 2034 growing at a CAGR of 15.5% during the forecast period. Fraud Detection & Prevention in fintech involves deploying intelligent technologies and analytical tools to continuously track, identify, and block fraudulent actions within digital financial services. It includes real-time surveillance of transactions, customer authentication, behavioral tracking, and risk evaluation to recognize abnormal activities and reduce financial and cyber risks. Through artificial intelligence, machine learning, and automated rules, fintech firms strengthen security frameworks, safeguard sensitive data, comply with regulations, and build customer confidence while delivering efficient, secure, and reliable digital payment and financial solutions.

Market Dynamics:

Driver:

Escalating volume and sophistication of digital financial fraud

The surge in online transactions, digital payments, and neobanking has expanded the attack surface for financial crime. Concurrently, fraudsters are employing advanced tactics like synthetic identity fraud and AI-driven attacks. This dual pressure compels fintech firms and traditional institutions to invest heavily in next-generation fraud

prevention. Regulatory mandates for strong customer authentication and transaction monitoring further propel adoption. Solutions leveraging artificial intelligence and machine learning for real-time, adaptive threat detection are becoming essential to protect revenue and customer trust in a hyper-connected financial environment.

Restraint:

High implementation costs and integration complexities

Deploying advanced fraud detection systems requires substantial upfront investment in technology, specialized talent, and ongoing maintenance. For many fintech startups and smaller institutions, these costs pose a significant barrier. Furthermore, integrating new solutions with legacy banking architectures, diverse payment platforms, and cloud-based services is often technically challenging and time-consuming. Concerns about system false positives impacting user experience and the need for continuous model retraining add to operational burdens. These factors can slow adoption rates, particularly among resource-constrained players in competitive markets.

Opportunity:

Proliferation of AI, ML, and predictive analytics technologies

Advances in artificial intelligence, machine learning, and big data analytics are creating powerful opportunities for proactive fraud management. These technologies enable the analysis of vast, disparate datasets in real-time to identify subtle, emerging fraud patterns that rule-based systems miss. The growing adoption of cloud computing offers scalable and cost-efficient infrastructure for these solutions. Furthermore, the rise of integrated platforms that combine fraud detection with regulatory compliance (Regtech) presents a compelling value proposition, driving demand for comprehensive, AI-powered security suites across the financial sector.

Threat:

Evolving regulatory landscape and data privacy concerns

The global regulatory environment for data protection and financial security is fragmented and constantly evolving, with regulations like GDPR, PSD2, and various local mandates. Navigating these compliance requirements adds complexity and cost for solution providers operating across borders. Simultaneously, the extensive data

collection necessary for effective fraud analytics raises significant privacy concerns. Stricter data sovereignty laws and consumer distrust can limit data accessibility, potentially reducing the efficacy of detection models. Balancing robust fraud prevention with stringent privacy compliance remains a critical and ongoing challenge.

Covid-19 Impact:

The pandemic dramatically accelerated the shift to digital financial services, increasing transaction volumes and creating new fraud vectors like pandemic relief scams and account takeovers. This surge exposed weaknesses in legacy systems, forcing rapid adoption of cloud-based, AI-driven fraud detection solutions to handle remote operations and sophisticated threats. Regulatory bodies facilitated faster implementation of digital identity tools. Consequently, the crisis acted as a catalyst, permanently elevating the strategic priority and technological advancement of fraud prevention in the fintech ecosystem.

The fraud detection solutions segment is expected to be the largest during the forecast period

The fraud detection solutions segment is expected to account for the largest market share during the forecast period, as fintech adoption surges, cybercriminals employ advanced tactics like synthetic identity theft and AI-powered attacks. This forces institutions to move beyond traditional rule-based systems. Regulatory pressure for strong customer authentication and real-time monitoring mandates investment in proactive security. Consequently, demand soars for AI and machine learning solutions that can analyze vast datasets in real-time to detect complex, evolving fraud patterns and protect both revenue and customer trust.

The cloud-based segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the cloud-based segment is predicted to witness the highest growth rate, fueled by its scalability, cost-effectiveness, and rapid deployment capabilities. Cloud platforms offer fintech companies, especially startups and SMBs, access to advanced fraud detection tools without heavy upfront infrastructure investment. They facilitate seamless integration, automatic updates, and leverage the provider's computing power for complex AI/ML analytics.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, due to the region's mature fintech ecosystem, high digital transaction volume, and stringent regulatory compliance requirements. The presence of major technology vendors, substantial R&D investment in AI and cybersecurity, and early adoption of advanced fraud solutions by banks and payment processors drive the market. High awareness of cyber threats and a robust financial infrastructure further solidify North America's leading position.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, fueled by rapid fintech adoption, massive unbanked population moving to digital finance, and increasing smartphone penetration. Governments are promoting digital payment initiatives, while rising cybercrime incidents necessitate stronger fraud frameworks. Countries like China, India, and Singapore are witnessing explosive growth in digital payments, peer-to-peer lending, and cryptocurrency activity, creating immense demand for scalable.

Key players in the market

Some of the key players in Fraud Detection & Prevention in Fintech Market include IBM Corporation, SAS Institute Inc., FICO, Oracle Corporation, SAP SE, ACI Worldwide, BAE Systems, NCR Corporation, Experian plc, LexisNexis Risk Solutions, Feedzai, Signifyd, Sift, Kount, and Forter.

Key Developments:

In January 2026, IBM announced IBM Enterprise Advantage, a first-of-its-kind asset-based consulting service that combines proven AI-tools and expertise to help clients quickly build, govern, and operate their own tailored internal AI platform at scale. Organizations can now use IBM Enterprise Advantage to redesign workflows, connect AI to existing systems, and scale new agentic applications without requiring changes to their cloud providers, AI models, or core infrastructure.

In October 2025, Oracle announced collaboration with Microsoft to develop an integration blueprint to help manufacturers improve supply chain efficiency and responsiveness. The blueprint will enable organizations using Oracle Fusion Cloud Supply Chain & Manufacturing (SCM) to improve data-driven decision making and

automate key supply chain processes by capturing live insights from factory equipment and sensors through Azure IoT Operations and Microsoft Fabric.

Solutions Covered:

Fraud Detection Solutions

Fraud Prevention Solutions

Services

Deployments Covered:

Cloud-based

On-premises

Hybrid

Fraud Types Covered:

Payment Fraud

Identity Theft

Application Fraud

Account Takeover

Money Laundering

Transaction Fraud

Synthetic Identity Fraud

Other Fraud Types

Applications Covered:

Digital Payments

Mobile Banking

Peer-to-Peer Lending

Cryptocurrency & Blockchain

Insurtech

Wealthtech

Regtech

Other Applications

End Users Covered:

Banks & Financial Institutions

Fintech Startups

Payment Processors

Insurance Companies

E-commerce Platforms

Cryptocurrency Exchanges

Other End Users

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL FRAUD DETECTION & PREVENTION IN FINTECH MARKET, BY SOLUTION

- 5.1 Fraud Detection Solutions
 - 5.1.1 AI & Machine Learning-based Systems
 - 5.1.2 Rule-based Systems
 - 5.1.3 Big Data Analytics Platforms
- 5.2 Fraud Prevention Solutions
 - 5.2.1 Identity Verification
 - 5.2.2 Multi-factor Authentication
 - 5.2.3 Biometric Authentication
- 5.3 Services
 - 5.3.1 Consulting & Advisory
 - 5.3.2 Managed Services
 - 5.3.3 Support & Maintenance

6 GLOBAL FRAUD DETECTION & PREVENTION IN FINTECH MARKET, BY DEPLOYMENT

- 6.1 Cloud-based
- 6.2 On-premises
- 6.3 Hybrid

7 GLOBAL FRAUD DETECTION & PREVENTION IN FINTECH MARKET, BY FRAUD TYPE

- 7.1 Payment Fraud
- 7.2 Identity Theft
- 7.3 Application Fraud
- 7.4 Account Takeover
- 7.5 Money Laundering
- 7.6 Transaction Fraud
- 7.7 Synthetic Identity Fraud
- 7.8 Other Fraud Types

8 GLOBAL FRAUD DETECTION & PREVENTION IN FINTECH MARKET, BY APPLICATION

- 8.1 Digital Payments
- 8.2 Mobile Banking
- 8.3 Peer-to-Peer Lending
- 8.4 Cryptocurrency & Blockchain
- 8.5 Insurtech
- 8.6 Wealthtech
- 8.7 Regtech
- 8.8 Other Applications

9 GLOBAL FRAUD DETECTION & PREVENTION IN FINTECH MARKET, BY END USER

- 9.1 Banks & Financial Institutions
- 9.2 Fintech Startups
- 9.3 Payment Processors
- 9.4 Insurance Companies
- 9.5 E-commerce Platforms
- 9.6 Cryptocurrency Exchanges
- 9.7 Other End Users

10 GLOBAL FRAUD DETECTION & PREVENTION IN FINTECH MARKET, BY GEOGRAPHY

- 10.1 North America
 - 10.1.1 United States
 - 10.1.2 Canada
 - 10.1.3 Mexico
- 10.2 Europe
 - 10.2.1 United Kingdom
 - 10.2.2 Germany
 - 10.2.3 France
 - 10.2.4 Italy
 - 10.2.5 Spain
 - 10.2.6 Netherlands
 - 10.2.7 Belgium
 - 10.2.8 Sweden

- 10.2.9 Switzerland
- 10.2.10 Poland
- 10.2.11 Rest of Europe
- 10.3 Asia Pacific
 - 10.3.1 China
 - 10.3.2 Japan
 - 10.3.3 India
 - 10.3.4 South Korea
 - 10.3.5 Australia
 - 10.3.6 Indonesia
 - 10.3.7 Thailand
 - 10.3.8 Malaysia
 - 10.3.9 Singapore
 - 10.3.10 Vietnam
 - 10.3.11 Rest of Asia Pacific
- 10.4 South America
 - 10.4.1 Brazil
 - 10.4.2 Argentina
 - 10.4.3 Colombia
 - 10.4.4 Chile
 - 10.4.5 Peru
 - 10.4.6 Rest of South America
- 10.5 Rest of the World (RoW)
 - 10.5.1 Middle East
 - 10.5.1.1 Saudi Arabia
 - 10.5.1.2 United Arab Emirates
 - 10.5.1.3 Qatar
 - 10.5.1.4 Israel
 - 10.5.1.5 Rest of Middle East
 - 10.5.2 Africa
 - 10.5.2.1 South Africa
 - 10.5.2.2 Egypt
 - 10.5.2.3 Morocco
 - 10.5.2.4 Rest of Africa

11 STRATEGIC MARKET INTELLIGENCE

- 11.1 Industry Value Network and Supply Chain Assessment
- 11.2 White-Space and Opportunity Mapping

11.3 Product Evolution and Market Life Cycle Analysis

11.4 Channel, Distributor, and Go-to-Market Assessment

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

12.1 Mergers and Acquisitions

12.2 Partnerships, Alliances, and Joint Ventures

12.3 New Product Launches and Certifications

12.4 Capacity Expansion and Investments

12.5 Other Strategic Initiatives

13 COMPANY PROFILES

13.1 IBM Corporation

13.2 SAS Institute Inc.

13.3 FICO

13.4 Oracle Corporation

13.5 SAP SE

13.6 ACI Worldwide

13.7 BAE Systems

13.8 NCR Corporation

13.9 Experian plc

13.10 LexisNexis Risk Solutions

13.11 Feedzai

13.12 Signifyd

13.13 Sift

13.14 Kount

13.15 Forter

List Of Tables

LIST OF TABLES

Table 1 Global Fraud Detection & Prevention in Fintech Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Fraud Detection & Prevention in Fintech Market Outlook, By Solution (2023-2034) (\$MN)

Table 3 Global Fraud Detection & Prevention in Fintech Market Outlook, By Fraud Detection Solutions (2023-2034) (\$MN)

Table 4 Global Fraud Detection & Prevention in Fintech Market Outlook, By AI & Machine Learning-based Systems (2023-2034) (\$MN)

Table 5 Global Fraud Detection & Prevention in Fintech Market Outlook, By Rule-based Systems (2023-2034) (\$MN)

Table 6 Global Fraud Detection & Prevention in Fintech Market Outlook, By Big Data Analytics Platforms (2023-2034) (\$MN)

Table 7 Global Fraud Detection & Prevention in Fintech Market Outlook, By Fraud Prevention Solutions (2023-2034) (\$MN)

Table 8 Global Fraud Detection & Prevention in Fintech Market Outlook, By Identity Verification (2023-2034) (\$MN)

Table 9 Global Fraud Detection & Prevention in Fintech Market Outlook, By Multi-factor Authentication (2023-2034) (\$MN)

Table 10 Global Fraud Detection & Prevention in Fintech Market Outlook, By Biometric Authentication (2023-2034) (\$MN)

Table 11 Global Fraud Detection & Prevention in Fintech Market Outlook, By Services (2023-2034) (\$MN)

Table 12 Global Fraud Detection & Prevention in Fintech Market Outlook, By Consulting & Advisory (2023-2034) (\$MN)

Table 13 Global Fraud Detection & Prevention in Fintech Market Outlook, By Managed Services (2023-2034) (\$MN)

Table 14 Global Fraud Detection & Prevention in Fintech Market Outlook, By Support & Maintenance (2023-2034) (\$MN)

Table 15 Global Fraud Detection & Prevention in Fintech Market Outlook, By Deployment (2023-2034) (\$MN)

Table 16 Global Fraud Detection & Prevention in Fintech Market Outlook, By Cloud-based (2023-2034) (\$MN)

Table 17 Global Fraud Detection & Prevention in Fintech Market Outlook, By On-premises (2023-2034) (\$MN)

Table 18 Global Fraud Detection & Prevention in Fintech Market Outlook, By Hybrid

(2023-2034) (\$MN)

Table 19 Global Fraud Detection & Prevention in Fintech Market Outlook, By Fraud Type (2023-2034) (\$MN)

Table 20 Global Fraud Detection & Prevention in Fintech Market Outlook, By Payment Fraud (2023-2034) (\$MN)

Table 21 Global Fraud Detection & Prevention in Fintech Market Outlook, By Identity Theft (2023-2034) (\$MN)

Table 22 Global Fraud Detection & Prevention in Fintech Market Outlook, By Application Fraud (2023-2034) (\$MN)

Table 23 Global Fraud Detection & Prevention in Fintech Market Outlook, By Account Takeover (2023-2034) (\$MN)

Table 24 Global Fraud Detection & Prevention in Fintech Market Outlook, By Money Laundering (2023-2034) (\$MN)

Table 25 Global Fraud Detection & Prevention in Fintech Market Outlook, By Transaction Fraud (2023-2034) (\$MN)

Table 26 Global Fraud Detection & Prevention in Fintech Market Outlook, By Synthetic Identity Fraud (2023-2034) (\$MN)

Table 27 Global Fraud Detection & Prevention in Fintech Market Outlook, By Other Fraud Types (2023-2034) (\$MN)

Table 28 Global Fraud Detection & Prevention in Fintech Market Outlook, By Application (2023-2034) (\$MN)

Table 29 Global Fraud Detection & Prevention in Fintech Market Outlook, By Digital Payments (2023-2034) (\$MN)

Table 30 Global Fraud Detection & Prevention in Fintech Market Outlook, By Mobile Banking (2023-2034) (\$MN)

Table 31 Global Fraud Detection & Prevention in Fintech Market Outlook, By Peer-to-Peer Lending (2023-2034) (\$MN)

Table 32 Global Fraud Detection & Prevention in Fintech Market Outlook, By Cryptocurrency & Blockchain (2023-2034) (\$MN)

Table 33 Global Fraud Detection & Prevention in Fintech Market Outlook, By Insurtech (2023-2034) (\$MN)

Table 34 Global Fraud Detection & Prevention in Fintech Market Outlook, By Wealthtech (2023-2034) (\$MN)

Table 35 Global Fraud Detection & Prevention in Fintech Market Outlook, By Regtech (2023-2034) (\$MN)

Table 36 Global Fraud Detection & Prevention in Fintech Market Outlook, By Other Applications (2023-2034) (\$MN)

Table 37 Global Fraud Detection & Prevention in Fintech Market Outlook, By End User (2023-2034) (\$MN)

Table 38 Global Fraud Detection & Prevention in Fintech Market Outlook, By Banks & Financial Institutions (2023-2034) (\$MN)

Table 39 Global Fraud Detection & Prevention in Fintech Market Outlook, By Fintech Startups (2023-2034) (\$MN)

Table 40 Global Fraud Detection & Prevention in Fintech Market Outlook, By Payment Processors (2023-2034) (\$MN)

Table 41 Global Fraud Detection & Prevention in Fintech Market Outlook, By Insurance Companies (2023-2034) (\$MN)

Table 42 Global Fraud Detection & Prevention in Fintech Market Outlook, By E-commerce Platforms (2023-2034) (\$MN)

Table 43 Global Fraud Detection & Prevention in Fintech Market Outlook, By Cryptocurrency Exchanges (2023-2034) (\$MN)

Table 44 Global Fraud Detection & Prevention in Fintech Market Outlook, By Other End Users (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

I would like to order

Product name: Fraud Detection & Prevention in Fintech Market Forecasts to 2034 – Global Analysis By Solution (Fraud Detection Solutions, Fraud Prevention Solutions and Services), Deployment, Fraud Type, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/F3490FE51F12EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F3490FE51F12EN.html>