

India DevOps Market By Offering (Software, Services), By Deployment (Public Cloud, Private Cloud, Hybrid Cloud), By Industry (BFSI, Retail, Government, Manufacturing, IT & Telecommunication, Healthcare, Others), By Region, Competition, Forecast & Opportunities, 2021-2031F

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Abstracts

Market Overview

India DevOps Market was valued at USD 3.81 Billion in 2025 and is projected to reach USD 10.80 Billion by 2031, growing at a CAGR of 18.96% during the forecast period. DevOps, a blend of cultural philosophies, practices, and tools, enhances collaboration between software development and IT operations teams to deliver software and services at increased speed and reliability. The market in India is expanding rapidly due to rising digital transformation efforts across industries, increased adoption of cloud technologies, and a growing preference for agile development methodologies. Organizations are investing in automation, CI/CD pipelines, and containerization to accelerate innovation and streamline deployment. The rise of startups and SMEs embracing DevOps practices, along with strong government backing for digital infrastructure, is further driving market expansion. Additionally, the integration of artificial intelligence and machine learning into DevOps processes is boosting predictive capabilities and operational efficiency, underscoring the role of DevOps as a strategic imperative in India's evolving technology landscape.

Key Market Drivers

Accelerated Digital Transformation Across Indian Enterprises

India is witnessing a sweeping digital transformation across key sectors such as banking, telecom, manufacturing, and retail. Enterprises are prioritizing modernization of legacy systems and embracing agile methodologies to stay competitive. DevOps acts as a critical enabler of this transformation by improving software quality, accelerating release cycles, and enhancing operational agility. This shift is being adopted not only by large corporations but also by SMEs aiming to scale operations and meet evolving customer expectations. The Indian government's Digital India initiative is also fostering an environment conducive to the adoption of cloud, automation, and data analytics solutions. The increasing reliance on microservices and cloud-native applications necessitates robust CI/CD frameworks, driving demand for DevOps tools and practices. With more than 68% of enterprises accelerating their digital transformation in the last three years and a 45% uptick in DevOps tool adoption, the market is witnessing strong growth momentum.

Key Market Challenges

Shortage of Skilled DevOps Professionals Hindering Market Growth

A significant constraint for the India DevOps market is the limited availability of professionals skilled in both development and operations disciplines. DevOps demands a unique mix of competencies—including programming, cloud administration, automation, and CI/CD pipeline management—but the supply of talent has not kept pace with growing demand. Organizations face difficulties in sourcing professionals who can bridge gaps between development and operations teams, leading to extended project timelines and elevated costs for hiring and training. The rapid evolution of DevOps tools and frameworks further compounds this issue, as professionals must continuously upgrade their skills. SMEs in particular struggle to offer competitive packages and structured training to attract and retain qualified talent. The disconnect between academic instruction and industry requirements continues to hinder workforce readiness. Without addressing this skills shortage through certifications, training programs, and academic-industry collaboration, market scalability will remain constrained.

Key Market Trends

Increasing Adoption of Artificial Intelligence and Machine Learning in DevOps Processes

A major trend reshaping the India DevOps market is the integration of AI and ML into DevOps workflows. These technologies are enhancing DevOps efficiency through intelligent automation, predictive analytics, and decision-making. AI-powered tools can rapidly analyze operational and development data to detect bugs, optimize deployments, and forecast infrastructure issues. Machine learning algorithms are being used to automate repetitive tasks, schedule deployments intelligently, and predict system anomalies. This convergence of AI and DevOps is gaining strong traction across IT services, financial institutions, and e-commerce platforms. As these intelligent systems evolve, they offer continuous learning capabilities that improve with each deployment, enabling organizations to accelerate software releases while minimizing risk. The integration of AI/ML into DevOps is set to play a transformative role in scaling DevOps maturity across India's digital economy.

Key Market Players

Microsoft Corporation

Amazon.com, Inc.

Google LLC

IBM Corporation

Oracle Corporation

GitLab Inc.

Docker, Inc.

Infosys Limited

Report Scope:

In this report, the India DevOps Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India DevOps Market, By Offering:

Software

Services

India DevOps Market, By Deployment:

Public Cloud

Private Cloud

Hybrid Cloud

India DevOps Market, By Industry:

BFSI

Retail

Government

Manufacturing

IT & Telecommunication

Healthcare

Others

India DevOps Market, By Region:

South India

North India

West India

East India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India DevOps Market.

Available Customizations:

India DevOps Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

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Detailed analysis and profiling of additional market players (up to five).

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