

Site Reliability Engineering Course Market Assessment, By Product Type [Foundation Course, Practitioner Course], By Mode of Study [Classroom, Virtual], By Budget [Below USD 250, USD 250-USD 500, Above USD 500], By End-user [Student, Working Professional], By Region, Opportunities and Forecast, 2017-2031F

Market Report | 2024-07-31 | 249 pages | Market Xcel - Markets and Data

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Report description:

Global site reliability engineering course market was valued at USD 270.35 million in 2023, expected to reach USD 519.23 million in 2031, with a CAGR of 8.50% for the forecast period between 2024 and 2031. A relevant potential virtual market growth across industries has led to a significant rise. As companies shift toward DevOps practices and adopt cloud computing, the demand for site reliability engineering (SRE) experts who can safeguard system reliability and performance has surged. The marketplace features various tutorial services, including online publications, certification packages, and specialized schooling modules supplied by leading tech agencies, instructional platforms, and academic establishments.

Google LLC, Udacity, Inc., and Microsoft Corporation are the dominant players in the market through leveraging their huge assets and strong relationships with top universities and technical giants. These companies offer full packages pertinent to different skill levels, from beginners to advanced professionals. Additionally, platforms such as Udemy, Inc. and Pluralsight LLC offer flexible, at-ease learning options that attract working professionals seeking to enhance their SRE abilities.

In this industry, an acute necessity has arisen leading to the development of courses combining SRE principles with cybersecurity. This trend appears in the market where there is a move towards safety being part of reliability practices because systems are getting more complex every day while cyber threats keep soaring high. According to the U.S. Bureau of Labor Statistics, from 2022 to 2032, there is a projected 23% increase in employment for computer and information research scientists, which is much faster than the average growth rate for all occupations.

Emerging markets, including Asia-Pacific, Latin America, and Africa, are contributing to the growth of the SRE course market as they develop their virtual infrastructures. Companies in these regions are investing in upskilling their employees to remain aggressive in the international market.

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Moreover, technical advancements, regulatory demands and the global delivery of IT services continue to propel the SRE training business. The emphasis on enhanced learning and embracing new technology has guaranteed that SRE professionals remain in high demand, making the market dynamic and evolving.

Rapid Cloud Computing Adoption to Drive the Demand

The global site reliability engineering course market is growing rapidly due to the widespread use of cloud computing. Many firms are moving to cloud environments which need reliable, scalable and efficient services. AWS, Google Cloud, or Microsoft Azure, all have adopted cloud computing to maintain top-class infrastructures. However, handling and bettering them are difficult except for SRE specialists. For a cloud system to function properly and be stable, it is important that SRE experts take charge of it.

To correctly interpret cloud architectures with many different multi-cloud and hybrid approaches, companies need deep understanding of cloud-native technologies, automation, and monitoring tools. Nowadays, IT professionals are required to have a good understanding to apply high standards for reliability in the cloud, more efficient incident management methods and applying tuning techniques for performance to be better. This necessitates the requirement for them to adopt SRE courses and become an efficient resource for the organization.

In addition, the principles of SRE work well with cloud environments because updates and deployment are made often. Businesses strive to be more flexible and grow faster. As a result, there is a growing need for SRE professionals who specialize in cloud solutions where they ensure continuous operations and robust systems. In February 2024, Uplimit collaborated with Google LLC in order to provide an introductory course on Site Reliability Engineering for 14 days duration on the Uplimit platform. The aim of the course was to prepare engineers of different backgrounds for the SRE-based industry employment.

Corporate Investment in Training Propels Market Growth

The growth of the site reliability engineering (SRE) course market is driven by companies' investments in training their staff. Investing money in employees' upskilling is one of the significant tools for businesses which are looking for stability and effectiveness in operation with ideal load. They are allocating large sums of money toward educational programs to improve professional expertise and relevant aspects involving strong digital infrastructure provision.

SRE training ensures the IT team has up-to-date information and approach to handling composite systems, process automation, and timely responses to incidents. This way, the organizations are able to manage complexity effectively without experiencing downtime hence improved production and service consistency.

Furthermore, corporate partnerships with education platforms help build custom SRE courses that deal with specific structural problems. This tendency toward continuous occupational progression proves how critical the role of an SRE professional is in enhancing the competitiveness and flexibility of a business within an ever digitally connected globe.

In May 2024, Accenture acquired the digital learning platform, Udacity, to assist the employees of its clients in obtaining the necessary industry-specific training and technological know-how to increase their company's value in the AI economy. With this acquisition, Accenture's learning platform, LearnVantage, will add over 230 more people to its existing workforce. Its massive strengths in integrating expert services, scalable learning technology, and original content will help to effortlessly bridge the gap between online education and workplace significance.

Virtual Mode of Study Dominates the Market

Recently, there has been a major change in the way SRE courses are offered globally. This major change is due to the presence of COVID-19, with online education taking off, making the concept of remote learning popular among students and professionals. Such platforms allow for temporal and geographical flexibility to situate oneself. Working professionals, who find it difficult to combine their academic pursuits with their career, find this type of knowledge acquisition very appealing.

There are many available training resources in the IT field for Site Reliability Engineering (SRE). These could include online platforms that provide live sessions, discussion forums and lab sessions. Major stakeholders from different industries as well as universities endorse such platforms and help them update their information regularly on these platforms. In April 2024, Emirates Institute of Finance (EIF) officially started the 12-week Future Tech Leaders Program, a leading banking and finance education in the United Arab Emirates. Concentrating on three main areas, including Site Reliability Engineering, Artificial Intelligence and Payments Technology, the program aimed at training 100 participants to meet the increasing demand for qualified Emirati talent in technological professions within banking and finance.

In comparison with classroom-based training which offers direct interaction and networking opportunities, virtual learning has

limited reach and convenience. As a result, given that virtual learning is more adaptable and the need for flexible educational solutions is increasing every day, more domination of SRE in virtual learning methods is expected to be witnessed.

Asia-Pacific to be the Fastest Growing SRE Course Market

Asia-Pacific is evolving to be the fastest-growing market in the global SRE course market. The rapid surge is prompted by the dynamic technological advancements in the region. The growth has also benefitted from the strength in its economy as well as huge investments in computerized communication networks. Countries in the region have large IT sectors which widely use cloud computing together with DevOps principles. In March 2024, leading Indian tech education start-up Scaler announced the launch of a new upskilling program for IT workers seeking to focus on cloud computing and DevOps. The curriculum is open to novices who want to work as site reliability engineers (SREs) or DevOps engineers. Course enrolment does not require any prior coding knowledge.

In Asia-Pacific, companies need more skilled Site Reliability Engineer (SRE) experts, causing demand for SRE courses to attain a higher value over others. To remain relevant in the global market, companies want their systems to be more reliable, high performing and secure as well. As a result, the local educational institutions as well as training providers have increased their SRE programs partnering up with global tech giants among other top universities.

Moreover, the reason for SRE course market growing faster in the Asia Pacific is that many professionals in this region who are technology enthusiasts consider training to be a vital part of their career growth. Furthermore, with industries like finance and health sectors paying more attention to digitalization, there is an increasing demand for specialized SRE programs.

Future Market Scenario (2024 – 2031F)

- The growth of businesses that depend on online services will lead to increasing requirement for reliable and highly efficient systems, thereby sparking the demand for SRE skills and courses as companies aim to reduce downtime and enhance the users' experience.
- DevOps methodologies plus cloud adoption will continue to contribute to SRE market growth. For seamless, efficient, and reliable service delivery between software development and operations, organizations will witness an increased demand for skilled personnel.
- Firms are expected to increase their expenditure on teaching and training SRE technology to their employees. Training and educational platforms will witness an upsurge in their collaborations with companies who provide financial support through partnerships established based on business values.

Key Players Landscape and Outlook

The global site reliability engineering (SRE) course market consists of several key players, including industry giants, who offer comprehensive SRE trainings through professional certificates, nano degree programs, and specialized courses.

Google LLC, a pioneer in SRE, provides foundational knowledge and advanced training through its professional certificates. Udacity, Inc. and Pluralsight LLC cater to hands-on learning with practical labs and skill assessments, while Udemy, Inc. focuses on industry-expert-led courses. Emerging players like Gremlin Inc. are also contributing to the market with specialized training in chaos engineering and operations.

The outlook for the SRE course market is positive, driven by the increasing need for reliable, scalable systems, the adoption of DevOps practices, and the surge in cloud computing. Continuous innovation and collaboration among educational platforms, tech companies, and industry experts will likely fuel further growth and diversification of course offerings.

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*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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