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MANJRASOFT PTY. LTD.

**PIONEERING THE FUTURE OF
CLOUD COMPUTING**

Dr. Rajkumar Buyya
CEO

Just think of your data living in a cozy yet invisible penthouse, high above the digital skyline and yes, it is what Cloud computing stands for. It's like having a personal butler for your information, ready to serve you at a moment's notice, no matter where you are. Unlike the computing model of yesteryears, your data floats freely in virtual cloud storage that is not only secure but highly accessible and ready for action. This data can be processed and transformed into wisdom or customer solutions on the fly using computing capability from the Cloud. So, in this age where your business is literally running on air, you need a company that has matchless expertise in this area. We found one such venture that stood as a remarkable Cloud computing technology provider.

In a recent interview with Dr. Rajkumar Buyya, the founding CEO of Manjrasoft, we gained valuable insights into his company's profile, vision, and innovative approach in the rapidly evolving field of Cloud computing. Manjrasoft was established to commercialize groundbreaking innovations in Cloud application platforms. Founded in 2008 as a spin-off company of the University of Melbourne (Australia), when Cloud computing was a budding field, Manjrasoft introduced a unique approach to application programming, allowing rapid creation and seamless deployment of applications across both private and public Clouds. Let's jump straight into what Dr Buyya shared with us in this exclusive conversation.

THE COMPANY PROFILE

Manjrasoft Pty Ltd. began its technology commercialization journey in early 2009. The venture stood as a leading innovator in application acceleration services and Cloud-based solutions. The company was established by a group of experienced IT research professionals who have devoted their careers to advancing Utility, Distributed, and Cloud Computing. At the helm is Dr. Rajkumar Buyya, the founder and CEO, who is widely regarded as a global authority in Distributed, BigData, and Cloud computing systems. With deep industry expertise and strong connections to key players like AWS and Microsoft, Dr. Buyya effortlessly positioned Manjrasoft at the forefront of research and product development in these critical domains. One of Manjrasoft's inventions is acquired by Allied Security Trust (AST) from the United States of America (USA) on behalf of its members who include IBM, Microsoft, Google, Oracle, and Salesforce.

THE SIGNATURE OFFERING

As shared by Dr Buyya, based on their innovative research, the company developed a unique product, Aneka Cloud Application Platform. Aneka supports the rapid creation of elastic applications, allowing developers to harness the power of multiple servers in Clouds to speed up computations dynamically. High profile organizations such as China Southern Railways and Indian Space Research Organisation (ISRO) have used Aneka for creating and deploying their image processing applications on enterprise Clouds to speed up their data analytics tasks and design decisions. Several premier Universities in China and India established Aneka-powered Cloud computing labs for supporting advanced computing educational programs and carrying out innovative projects involving BigData, IoT (Internet of Things), and AI (Artificial Intelligence) applications. This approach sets Manjrasoft apart, making it a world-first technology capable of supporting multiple Cloud application programming and service delivery models. Aneka's flexibility enables businesses to deploy applications across various Cloud platforms without vendor lock-in, ensuring seamless transitions between Microsoft Azure, Amazon Web Services, and other Cloud providers.

VISION THAT MOTIVATES

Dr Buyya is indeed a visionary leader in his domain and based on his persona, Manjrasoft's vision is to revolutionize Cloud computing by providing high-productivity application engineering technology. Their mission is to bring this technology to a broader market, with a particular focus on education and research. Dr. Buyya also went on to share the significant impact Manjrasoft has had in the education sector, particularly in India and China. Through partnerships with universities and the publication of the textbook "Mastering Cloud Computing," the company has equipped hundreds of thousands of students with the skills necessary to excel in the field. In a similar vein, Dr Buyya has also authored over 850 research publications and seven textbooks, which are serving as popular innovation resources for industrial practitioners worldwide including those in the USA, India, and China.

CUSTOMER-CENTRIC APPROACH

All of the software technologies for the Internet and Cloud computing developed by Dr Buyya and his team have gained mass popularity and become accepted across various academic institutions and industrial organizations in 50+ countries across the globe. In addition to its technological innovations, Manjrasoft's organic growth strategy ensures that customer needs are prioritized. The company maintains close relationships with its channel partners and business development managers to stay attuned to market demands. This feedback is then seamlessly integrated into the product development process, ensuring that Manjrasoft keeps up with its focus on being at the forefront of Cloud technology.

THE FUTURE AHEAD

Dr Buyya is quite positive about the future of Manjrasoft. Sharing his futuristic plans, he added that they are poised to continue leading the charge in Cloud computing and introducing innovations in the field. With the recent release of Aneka 6.0, the company has expanded its capabilities to support AI, Bigdata and IoT applications.

"In the University of Melbourne's CLOUDS research lab, we have been investigating new software technologies for quantum computing. So, how can we integrate this quantum computing into the Cloud? Then, how to support traditional and quantum applications in a seamless manner? So, shortly, we will also include some of this quantum support within our Cloud platform,"

shared the founder. The future roadmap includes integrating quantum computing technologies into the edge and Cloud computing environments and simplifying the creation of quantum applications, ensuring that Manjrasoft remains a key player in the next wave of technological advancements and innovations.

INSPIRING WORDS BY THE LEADER

"With rapid advances in automation and digital transformation programs, we're seeing AI being integrated to make systems smarter and more intelligent. Cloud computing has emerged as the powerhouse driving these applications. Both user communities and enterprises need to adopt Cloud technology and AI applications to stay competitive.

When it comes to education, it's crucial that we equip students with skills in Cloud computing and AI. By doing so, we prepare the future engineers, researchers, and innovators who will lead the way. Educational institutions need to quickly embrace these technologies to ensure that the talent we produce is globally competitive and well-prepared for the future. These skills will be highly valued across industries, setting our students up for success."