Name: Manyu Kumar

Red: 2141011082.

Serverless architecture offers numerous benifits, including reduced operational costs, automatic scaling and simplifed development processes. By eliminating the ~~application~~ need for server manag -ement, developers can focus on writing code and deploying application more quickly.

Progressive Web Apps (PWAs) combine the best of web and mobile applications, providing a seamless user experience across devices. They leverage modern web capabilities to deliver fast, reliable ~~or users~~ ~~devices~~ and engaging experience, even in low-network conditions.

<u>AI and Machine Learning</u> are increasingly integral to software architecture, enabling smarter applications that can learn from data and improve over time. These technologies facilitate automation, predictive analytics, and personalized user experience, making applications more responsive and efficient.

~~Cloud~~

SaaS: Cloud computing service models include Software as a service.

PaaS: Platform as a Service is a cloud computing model that provides a complete platform for developing, running and managing applications.

IaaS: A type of cloud computing service that offers essential computing storage, and networking resource on demand, on pay-as-you-go basis.