Full Stack Application Development

Service Introduction: Canalys November 2023: "For customers across the spectrum, cloud features as part of a wider digital strategy, requires significant investment of both time and money. Most businesses do not have the internal IT talent to manage a complete shift to the cloud from start to finish without significant support."

Application Rationalization and Modernization, our core AWS competency necessitates cross-organizational buy-in from key stakeholders, and every department involved in support, development and operations of the applications. Application modernization is a strategic decision that takes into consideration market needs, organizational needs, constraints, priorities and budgets.

HighLights:

Applications can help businesses automate processes and increase efficiency. The stages of application development are:
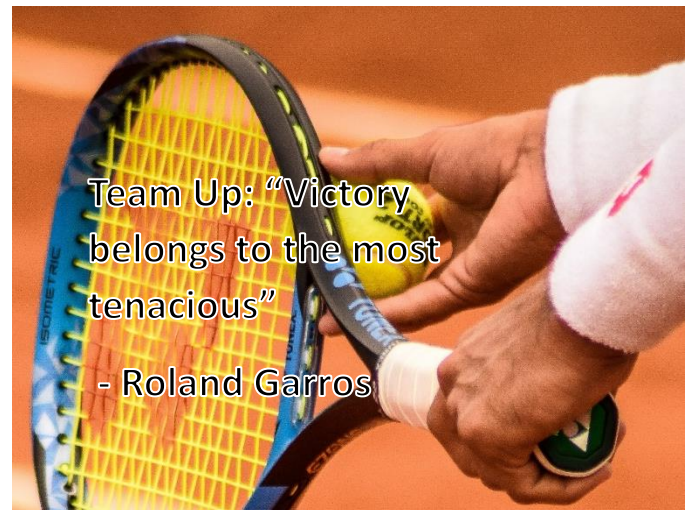
- Planning and research

- Design and prototyping

- Code development

- Testing and optimization

The application development life cycle (ADLC) explains how professional IT companies make apps. Its stages are: Discovery, Design, Development, Release, Maintenance.

Some rapid application development phases are: Business modeling, Data modeling, Process modeling, Application generation, Testing and turnover.

Service Overview: The 7 R's of cloud migration, as called out by AWS, are a somewhat synonymous set of strategies to help organizations plan, execute, and optimize their application development projects. The Rs that apply to application development are:

- Refactor: Also known as "re-architect" – needing the same functionality, the team architects a solution in a new program/platform

- Replatform: Also known as "lift, tinker and shift" – same application, rejiggered to work in a new environment

- Replace: Different than refactor where the same functionality is required, replace is the activity of implementing a new business strategy with technology on a new platform using new tools.

Team Up: "Victory belongs to the most tenacious"
- Roland Garros

Legacy applications are the foundation of enterprises. Yet they keep them away from utilizing modern technologies that are needed to keep up with today's advancements. To overcome these challenges SMB's need a way to rapidly adapt by either connecting legacy applications to new ones or re-envisioning them. Application modernization and rationalization are strategic offerings from TCC.

Nucleus Research said "Decrease your IT costs by moving infrastructure and applications to the cloud, and free up resources to focus on what truly differentiates your business. By migrating legacy applications to the cloud, can achieve 31% average infrastructure savings"

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