DEVOPS

Identify areas in application development, build, and deployment processes that could be streamlined and automated. Setup DevOps tools and Continuous Integration/Continuous Delivery pipelines that are accessible anywhere via the cloud.

MICROSERVICES

Analyze existing monolithic applications and advise on how they can be broken down into microservices. Give expert guidance on how to build new applications using the microservices pattern. Help setup infrastructure that support microservices.

CLOUD-NATIVE APPS

Provide guidance on cloud-optimized architecture, patterns, and practices. Implement cloud-native applications that utilize automation, API integration and management, microservices, containers, and distributed orchestration and management.

INTELLIGENT APPS

Add intelligent features to applications like chatbots, image recognition, voice recognition, sentiment analysis, text-to-speech, and search using Microsoft's Azure Cognitive Services.

BCS Technology International
Application Modernization

- BCS Technology has more than a decade of experience in Microsoft Application development. Our consultants have been working on multiple projects in emerging technologies and practices such as DevOps, Microservices, Cloud, and Artificial Intelligence.

- We set up the practice to assimilate these project experiences and utilize them to guide our customers on their modernization journey.

- The practice delivers value by providing tools and guidance on modern best practices that reduce time-to-market and costs, increase engagement and sales.

- From our experience, moving from monolithic applications to a modern cloud native architecture enables faster development, easier support and dynamic and automatic scaling for load while keeping costs contained. Our aim is to evangelize these benefits and enable adoption.

BCS has its roots in application development and has continued to evolve to meet the ever-growing needs of its customers. Through collaboration with our partners across multiple industries our consultants have gained valuable insights into how modern applications should be built and what organizational transformations are needed to support them.

Recently BCS was selected by the financing arm of a global automobile company to design and develop a web API to provide their agents with real time loan premiums based on customer data. The application needed to dynamically scale up and down based on load. BCS experts introduced the customer team to Microservices enabled by DevOps through a series of workshops. The application was built using .Net Core and open-source tools like VSTS, Docker, and Kubernetes, deployed on Azure.

A big online travel aggregator challenged BCS to migrate parts of their legacy application from on-premise servers to the cloud (Microsoft Azure). BCS experts broke down the legacy application into microservices to take full advantage of the cloud. The DevOps process which was setup enables new features to a service to be tested and deployed within minutes. All these were accomplished using tools like Jenkins, Docker, Kubernetes, and Sumologic. Monitors, Dashboards and automatic alerts were setup to aid in 24/7 support.

Innovation is at the heart of everything we do in BCS. We continuously push the boundaries in what is possible with applications. Using Microsoft's cognitive services, we make our applications smarter, more interactive, convenient, and engaging.