**Mobile apps using Xamarin + Azure**

**Data**
Store structured and unstructured data in cloud services that are highly available, secure, durable, and scalable.

- **Azure Cosmos DB**
  Store and query any amount of data, anywhere in the world, providing low-latency access to your data.

- **Azure SQL Database**
  Build high-performance, scalable databases, with serverless capabilities to manage redundant servers.

- **Azure Storage**
  Securely store blobs, unstructured data, and files.

**Artificial Intelligence**
Use Artificial Intelligence to infuse your apps with algorithms to see, hear, speak, understand, and interpret your users’ needs through natural communication.

- **Azure Machine Learning**
  Use existing data to drive analytics and automate business processes, enabling you to find new opportunities.

- **Azure Cognitive Services**
  Use artificial intelligence to analyze images, speech, and text.

**Mobile Back-end as a Service (MBaaS)**
Quickly build powerful back-end services with high reliability, security, and scalability.

- **Azure Functions**
  Run code in response to a variety of events, including triggers or message infrastructure, in your development language of choice.

- **Azure App Service Mobile Apps**
  Use Azure App Service to develop, test, and deploy mobile back-end services.

- **Azure Active Directory B2C**
  Secure and powerful customer identity and access management.

**Communication**
Assemble unexpected traffic bursts, which prevent servers from being overwhelmed with a sudden flood of requests.

- **Azure Service Bus**
  A reliable and secure messaging service.

**Search**
Enterprise-grade search solution for all types of internal data, with fast querying and advanced search options.

- **Azure Search**
  Fast-panned and highly scalable search capabilities for your app.

**Visual Studio**
Quickly build, test, deploy, and manage mobile apps with Visual Studio 2017, Visual Studio for Mac, and cloud-powered services.

**Visual Studio App Center**
Automate the lifecycle of your apps built with Xamarin. Ship apps more frequently, at higher-quality, and with greater confidence. Connect your repo to build in the cloud, test on thousands of real devices, distribute to beta testers, and monitor real-world usage with crash and analytics data.

**aka.ms/vs/app-center**