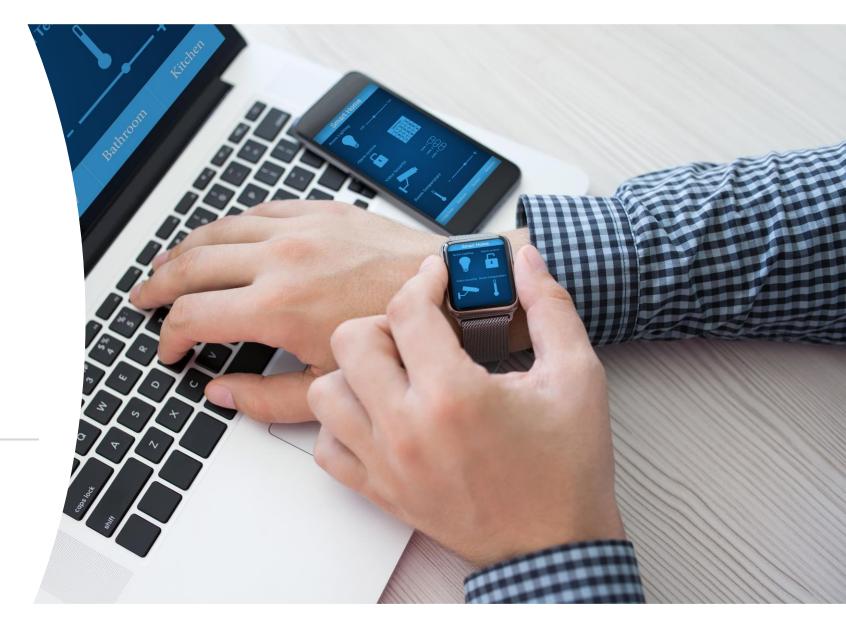
Shave Mobile
Development
Time and Cost
With Xamarin





We are a world-class software delivery firm.













Our clients are market leaders and innovative pioneers.

Honeywell































We are recognized agile software development experts.











Silver Application Development

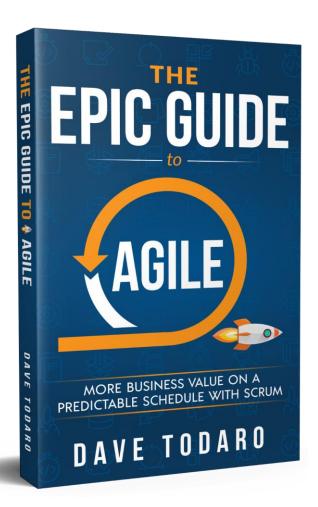












And we wrote the book.

Craig Howard

............

linkedin.com/in/craigmhoward

Development Lead Ascendle

















Creating Apps for Devices



iOS Developer Objective-C/Swift



watchOS/tvOS Developer



.NET Developer



Android Java Developer



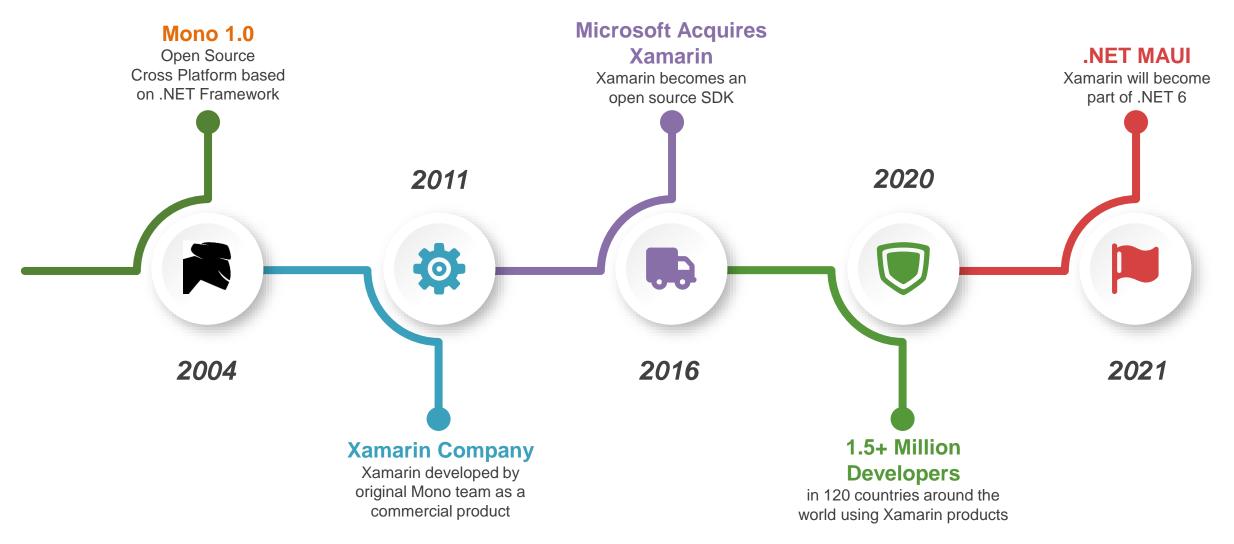
Xamarin



Open-source mobile app platform for .NET

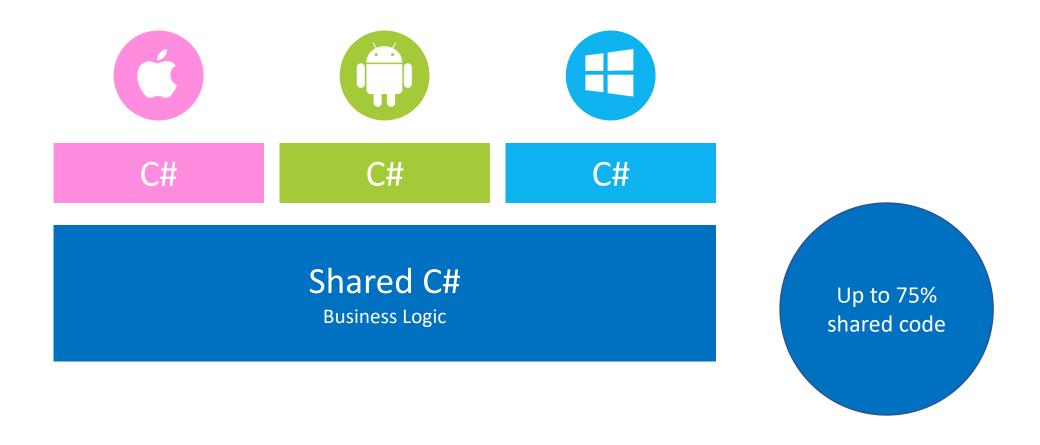


Xamarin Timeline



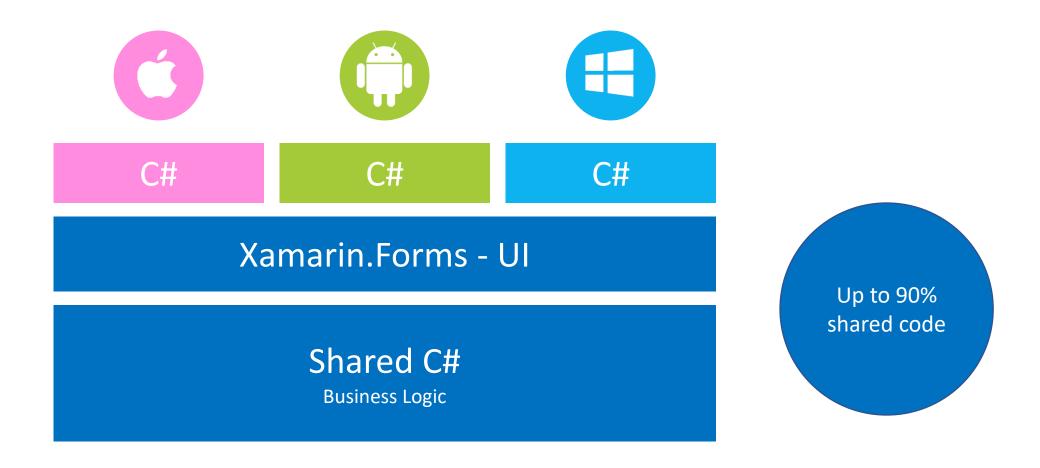


Xamarin Native

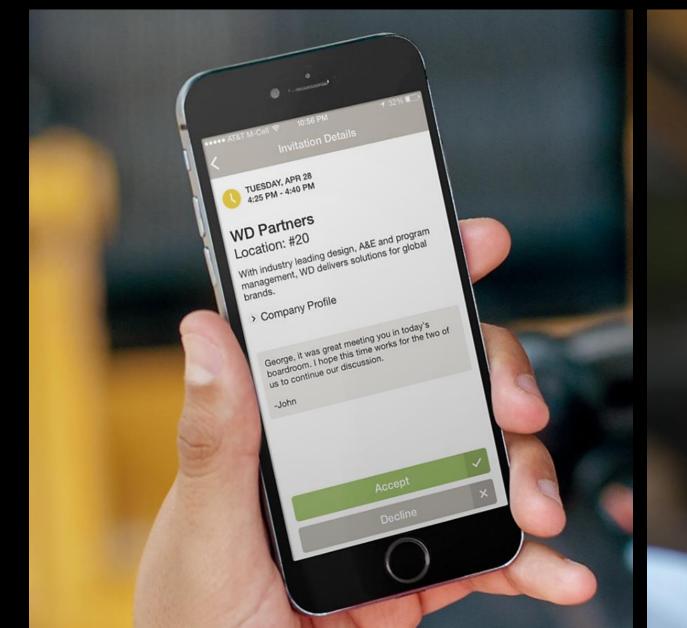


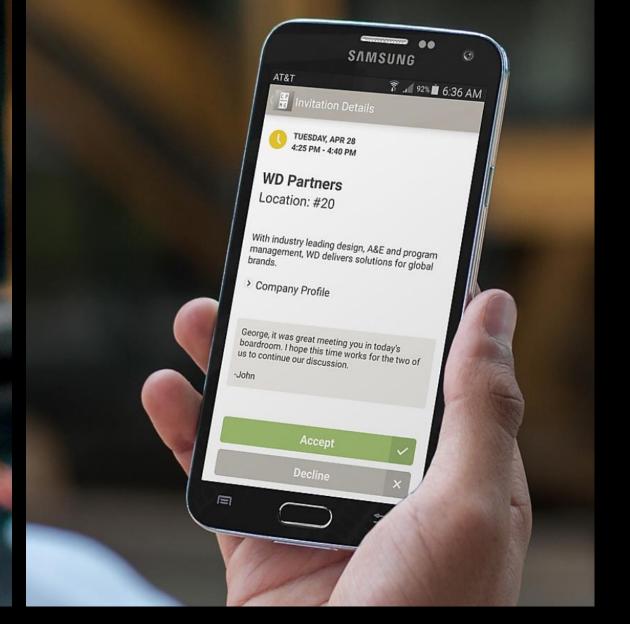


Xamarin Forms







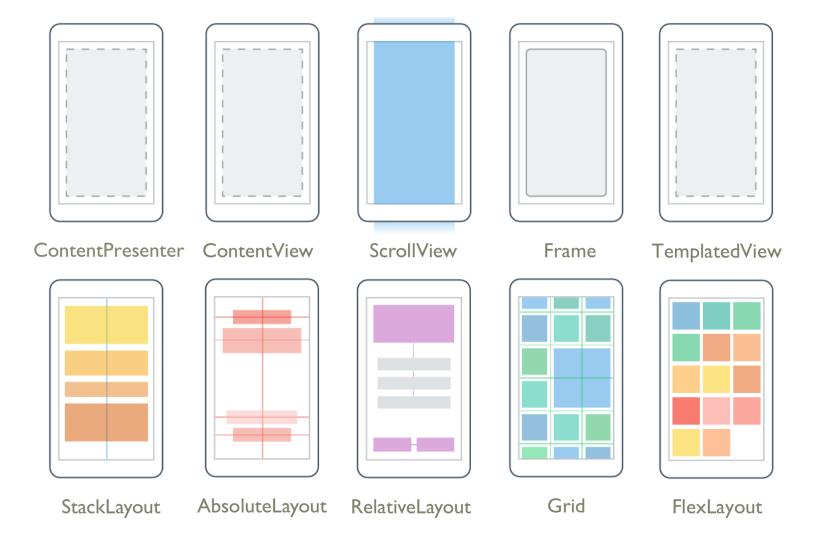


Xamarin Forms Page Layouts





Xamarin Forms Content Layouts



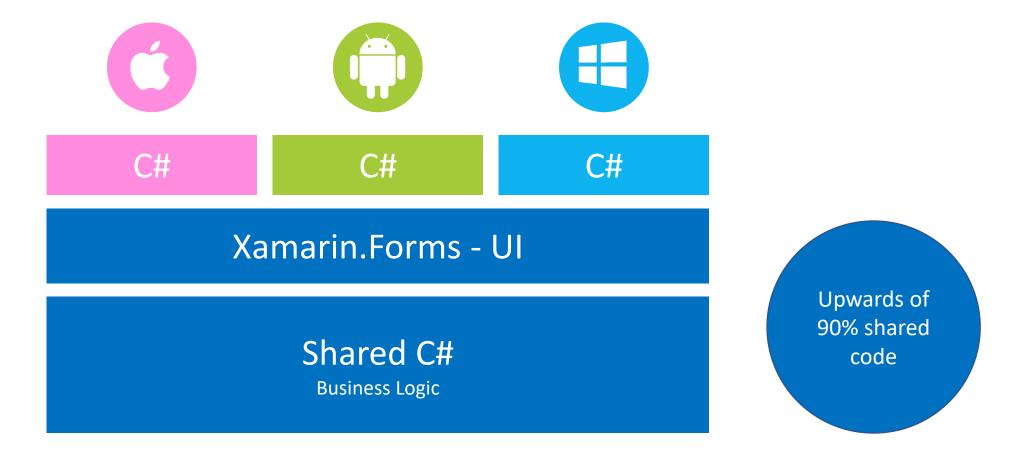


Xamarin Forms Views

Controls				
ActivityIndicator	BoxView	Button	DatePicker	Editor
Entry	Image	Label	ListView	Мар
OpenGLView	Picker	ProgressBar	SearchBar	Slider
Stepper	TableView	TimePicker	WebView	EntryCell
ImageCell	SwitchCell	TextCell	ViewCell	

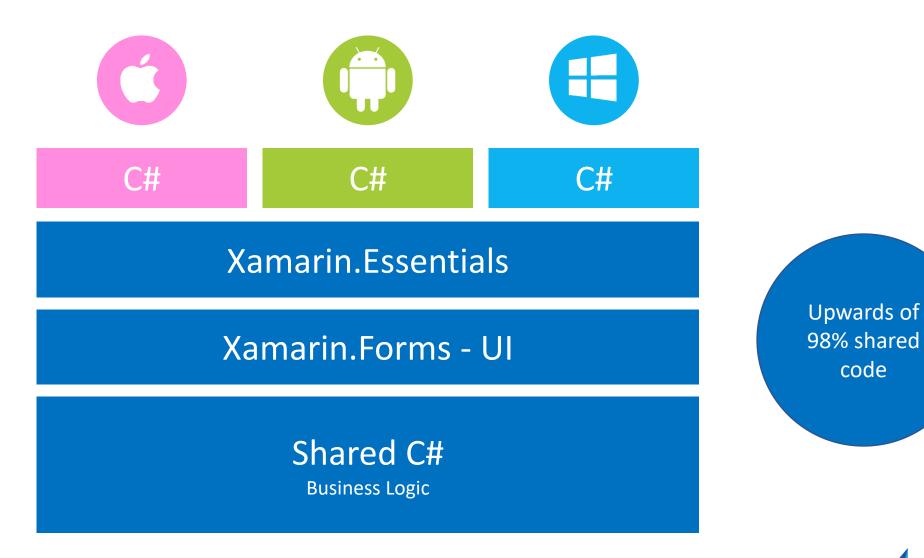


Xamarin Forms





Xamarin Essentials





Xamarin Essentials

Accelerometer	Color Converters	Email	Launcher	Permissions	SMS
App Information	Compass	File System Helpers	Magnetometer	Phone Dialer	Text-to-Speech
App Theme	Connectivity	Flashlight	MainThread	Platform Extensions	Unit Converters
Barometer	Detect Shake	Geocoding	Maps	Preferences	Version Tracking
Battery	Device Display Information	Geolocation	Open Browser	Secure Storage	Vibrate
Clipboard	Device Information	Gyroscope	Orientation Sensor	Share	Web Authenticator









watchOS & Android Wear

- C# and .NET
- Xamarin Native and Xamarin Essentials
- Backend code can be shared
- Release through Apple App Store and Google Play



tvOS & Tizen

- C# and .NET
- Xamarin Native and Xamarin Forms
- Full access to Native APIs
- Backend code can be shared
- Release through Apple TV's App Store



Demo

Developing with Xamarin

- One language C#
- Shared code
- Access to all .NET Standard features
- Automated testing
- One editor Visual Studio
- Compiles Natively for each device
- Increased productivity



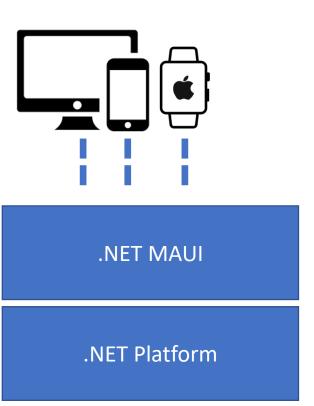
Xamarin Productivity Boosts

- XAMLC
- Design-time data
- MVVM Pattern
- Open-source libraries and frameworks
- Custom controls or third-party controls
- XAML Hot Reload for Xamarin Forms
- Xamarin Hot Restart



.NET Multi-platform App UI (MAUI)

- Evolution of Xamarin.Forms
- Cross-platform native UI
- Deploy to mobile and desktop
- Planned to be incorporated in .NET 6 in 2021
- Xamarin.Forms -> System.Maui
- Xamarin.Essentials -> System.Devices
- File | New | Multi-platform App UI





Key Takeaways

- Xamarin is a cross-platform, open source technology for developing mobile apps
- Xamarin, now owned by Microsoft is fully supported and will be rolled into .NET
- Xamarin apps are compiled natively and are highly performant
- Use your existing .NET skills, teams and code
- Share up to 98% of code across platforms
- Target watchOS and tvOS with shared code

References

Xamarin Forms

https://docs.microsoft.com/en-us/xamarin/xamarin-forms/

Xamarin Forms Controls

 https://docs.microsoft.com/en-us/xamarin/xamarin-forms/xaml/xamlcontrols

Xamarin Essentials

https://docs.microsoft.com/en-us/xamarin/essentials/

Xamarin iOS Samples

- https://github.com/xamarin/ios-samples/tree/main/tvos
- https://github.com/xamarin/ios-samples/tree/main/watchOS



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IconFont2Code

https://andreinitescu.github.io/IconFont2Code/

Xamarin. Forms release notes

• https://docs.microsoft.com/en-us/xamarin/xamarin-forms/release-notes/4.6/4.6.0

Good looking Xamarin. Forms examples

• https://github.com/jsuarezruiz/xamarin-forms-goodlooking-UI

The Xamarin Show

https://channel9.msdn.com/Shows/XamarinShow



Questions?

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