

Create Performant Apps with Angular, Firebase, and NativeScript

Speaker Jen Looper

goto;

conference



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AKA

"Cooking with Jen!"





Jen Looper

Developer Advocate at Progress

@jenlooper

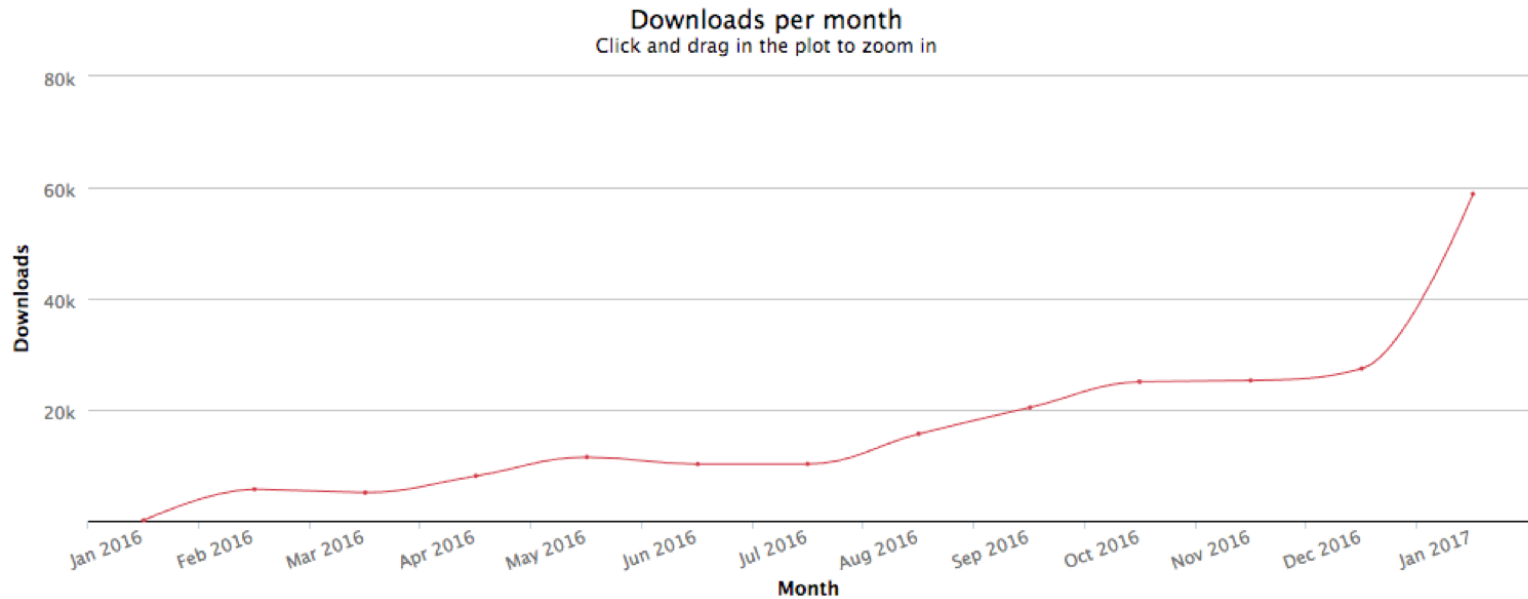


NativeScript is...

an [open source](#) framework for building [truly native](#) mobile apps with [JavaScript](#).
Use web skills, like TypeScript, [Angular](#) and CSS, and [get native UI and performance](#) on iOS and Android.



npm downloads of the "nativescript" package





NativeScript is the best tool for
cross-platform native app
development 🎉



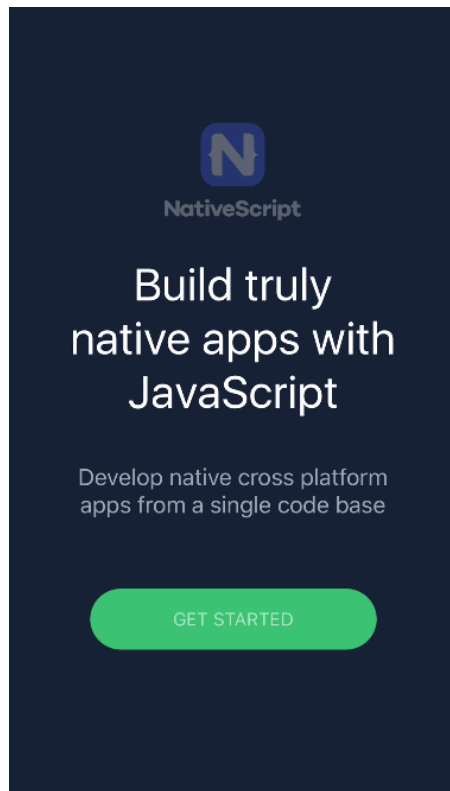
5 reasons



1

Rich, animated, “no
compromise”
native UI

(with shared UI
code)

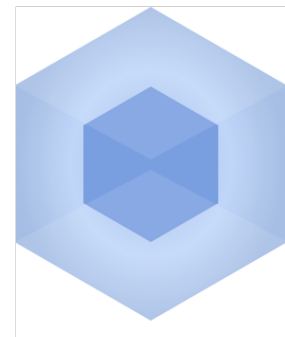


Search for
“Examples NativeScript”
in the iOS App Store or
Google Play to try this
app out for yourself.



2

Maximum code and
skill reusability



TypeScript



Architecture Choices



or

TypeScript

or

TypeScript





3

Ease of doing native-y things



NativeScript modules

```
import { File } from "file-system";  
new File();
```



```
new java.io.File( path );
```

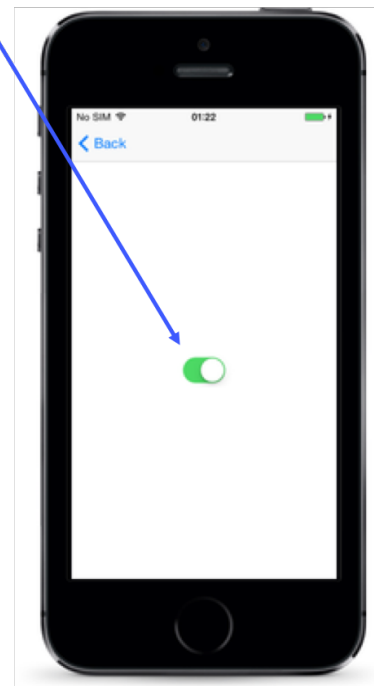
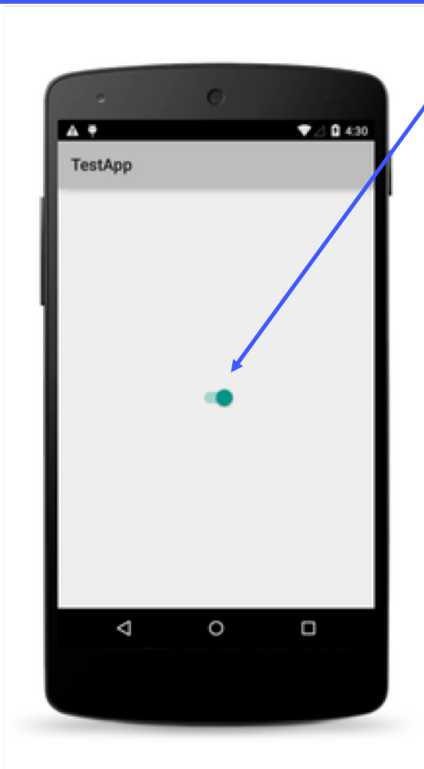


```
NSFileManager defaultManager();  
fileManager.createFileAtPathContentsAttributes(path);
```



NativeScript modules for UIs

```
<Switch></Switch>
```





NativeScript Plugins Hub

plugins.nativescript.org

NativeScript create a plugin nativescript home

Search

Viewing 100 of 396 Plugins

Dev Sass ☆ 120 toddinglin SASS CSS pre-processor for NativeScript projects. github.com/ToddAnglin/nativescript-dev-sa...	Drop Down ☆ 120 Peter Staev A NativeScript DropDown widget. github.com/PeterStaev/NativeScript-Drop-D...	Zip ☆ 115 Osei Fortune ##Installation `tns plugin add nativescript-zip` github.com/triniwiz/nativescript-zip	Performance Monitor ☆ 115 Eddy Verbruggen Measure and show FPS and (on iOS) CPU usage. github.com/EddyVerbruggen/nativescript-p...
Native Autocomplete ☆ 115 Osei Fortune An editable text view that shows completion suggestions automatically while the user is typing. github.com/triniwiz/nativescript-autocompl...	Native Script Accelerometer ☆ 115 NativeScript accelerometer plugin. github.com/vakrilov/native-script-accelerom...	Accelerometer ☆ 115 NativeScript accelerometer plugin. github.com/vakrilov/native-script-accelerom...	Accordion ☆ 115 Osei Fortune A layout which supports expanding and collapsing child views github.com/triniwiz/nativescript-accordion
Adobe Marketing Cloud ☆ 115 Essent Nativescript Adobe marketing cloud integration plugin github.com/Essent/nativescript-adobe-mark...	Advanced Webview ☆ 115 Brad Martin An advanced webview using Chrome CustomTabs on Android and SFSafariViewController on iOS. github.com/bradmartin/nativescript-advanc...	Apiclient ☆ 115 Marcel Joachim Kloubert NativeScript module for simply calling HTTP based APIs. github.com/mkloubert/nativescript-apiclient	Applist ☆ 115 Marcel Joachim Kloubert NativeScript module to handle the list of installed apps on a device. github.com/mkloubert/nativescript-applist



Reuse existing native Android and iOS libraries



Android Arsenal

⟨COCOAPODS⟩



4

Vibrant and growing community 💖



NativeScript community forum (discourse.nativescript.org)

 **NativeScript**



all categories ▾

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Categories

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Topic	Category	Users	Replies	Views	Activity
 How to get help on this forum Thank you for using the NativeScript forum! You are probably here with a technical question, and we want to help you in the most efficient way possible. So we'd like you to please follow the following guidelines on creat... read more	Forum Reference	 	2	141	6d
NS 2.5 Unable to sync files	NativeScript UI	  	11	45	6m
Create or use plugins in Angular	Angular	 	1	9	41m
Angular-CLI: NativeScript Magic FTW - Nathan Walker	Tips and Tutorials	 	1	20	2h
NativeScript and WebGL - how to do it	Getting Started	 	4	11	3h
Create nice animations with Lottie and NativeScript - Jen Looper	Tips and Tutorials		0	7	3h
Example of extending UIViewController in Angular 2 and Nativescript	Angular	  	7	60	3h
Unable to create itemTemplate in a custom component			0	7	3h
Uploading video	Plugins	   	9	101	4h
☒ Native script integration with Angular 1	Angular	   	6	53	4h
Creating my own module?		  	3	31	22h
Use Fancy Alerts in your app - Nic Raboy	Tips and Tutorials		0	17	23h
☒ Use Backend Service / Web Worker for Metronome?	Architecture	  	7	76	23h



NativeScript community Slack channel

#general 3,241 | 5 | <https://discourse.na...>

Nikolay Iliev 8:54 AM
if anyone has hit the issue @dragas is describing - most likely you have tns-android as a dependency in your package.json file. Remove the dependency and re-run `tns run android`

Leandro Bortolotto 9:13 AM
@jen.looper Thank you for your appreciation. I'm pretty happy to share and help others 😊 (edited)

Mr.Goose Felipe Ganso 9:57 AM
joined #general. Also, @helloworld joined.

Peter Kanev 10:35 AM
@leandrobortolotto 🍌 🍌 an article like that was long overdue 😊 Thanks

IFTTT APP 10:48 AM
Nativescript android how to download remote image to device?
Nativescript android how to download remote image to device? by Upender Devulapally via Newest questions tagged nativescript - Stack Overflow <http://ift.tt/2mahtty>

sebastien matsiya 11:47 AM
hello,
it is possible to know the height of an absoluteLayout in ts? I know the height of the page (screen.mainScreen.heightDIPs) but i don't know how to do for the absoluteLayout

Peter Kanev 11:50 AM
@sebastienmatsiya find view by id and get its heightDIP?

Connor Sleight 11:53 AM
but dont use the actual `getViewById` / `getElementById` as thats js not ts, use the method within `Page` (edited)

+ Message #general



5

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company vested in your success 🧑🏻💼





Enough blabber. Let's build something!

Tools





Please

**Remember to
rate this session**

Thank you!

Useful links

Eddy's Firebase plugin:

<https://github.com/eddyverbruggen/nativescript-plugin-firebase>

The Plugins Hub: <https://discourse.nativescript.org>

Our forum: <https://discourse.nativescript.org>

Firebase: <http://firebase.google.com>

NativeScript: <http://www.nativescript.org>

Nathan Walker's Advanced Seed: <https://github.com/NathanWalker/angular-seed-advanced>

Jen, TJ and Tara's 'AMPS' project (stripped-down seed): <https://github.com/jlooper/angular-starter>

QuickNoms for the web:

<http://www.quicknoms.com> & <http://www.github.com/jlooper/quicknoms>

QuickNoms mobile app: <http://www.github.com/jlooper/quicknoms-app>

PocketRave: <http://www.pocketrave.me> & <http://www.github.com/jlooper/pocketrave>