

# How NativeScript Works

## Why It Matters

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Hybrid mobile app development provides ability to build the app from single code base using the existing web skills. These apps that run inside a WebView, Which usually lack with the look, feel and performance. Such hybrid apps carry more web characteristics than native ones hence losing the seamless native UI experience.

NativeScript on other hand provides the way of building cross-platform application using web skills (JavaScript, TypeScript or Angular 2 and CSS) that renders the native UI.

In the following sections, we'll talk about NativeScript, working of NativeScript with android and iOS, explain how NativeScript runs the JS and renders the native UI, Also other aspects such as integrating existing libraries(CocoaPods/gradle), security, testing and support while building NativeScript app.

### **What is NativeScript and how its different?**

NativeScript is an open source framework for building truly native mobile apps with JavaScript using web skills, like TypeScript, Angular2 and CSS, and get native UI and performance with direct access to all native platform APIs on both iOS and Android from JavaScript.

Unlike Ionic2 or Cordova NativeScript is not using the DOM rather it has its own view renderer. As Angular2 is not tightly coupled with the DOM and has a capacity to decouple itself from the view renderer it works really great with NativeScript.

Being said NativeScript is truly native uses the native UI code (for respective Android and iOS phones) even though you are writing the code in TypeScript/JavaScript, that actually doesn't mean that NativeScript runtime converts your javascript code to the equivalent ObjectiveC or a Java code what its actually does is it runs your javascript over a embedded virtual machine, On Android is uses V8 where as on iOS, it uses the JavaScriptCore virtual machine much similar way how browser uses the Javascript VM to runs the javascript code inside browser. But magic with the NativeScript is that its bridging that to a native code that allows you to actually calls the native APIs from your javascript/Typescript code.

## DONAL GONSALVES

Usha Swapna, Umralla, Valambav,  
Bolinj Sopara Road,  
Nallasopara(W)-401203  
Maharashtra

**Mobile : 8983673439**  
**Email ID : donald.gonsalves398@gmail.com**  
**B.E. (CMPN)**  
**St. Francis Institute of Technology**



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**Career Objective:** To succeed in an environment of growth and excellence and earn a job which provides me job satisfaction and self-development and help me achieve personal as well as organization goal.

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### Educational Qualification

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Year	Degree	University/ Board	Percentage/Grade
2013 - 2016	B.E. Computers	Mumbai University	6.88 CGPA
2010-2013	Diploma In Computer Technology	Maharashtra State Board Of Technical Education	69.35%
2009-2010	S.S.C	Maharashtra Board	79.82%

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### Work Experience

Worked with **APTECH LIMITED** from November 2016 to January 2017 as **System Administrator**.

### Responsibilities:-

- Handling remote server.
- Managing backup.
- Handling Database
  - Database Mirroring
  - Adding Users to database.
  - Giving Database Rights.
  - Creating Database, Managing Database Logs.
  - Writing Scripts for performing various operation on database.

### Clients:-

- AWES
  - UPPCL
  - CMAT / GPAT
- 

### Skill Set

#### Technical:

Languages	:	SQL, C, C++, Java, HTML, C#, JavaScript
Programming Environments	:	Eclipse, Turbo C, Quincy
Operating Systems	:	Windows
Software Packages	:	Microsoft office
Area of Interest	:	Java, ASP.NET

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