Разработка приложений
с помощью Adobe PhoneGap

Родион Быков

AppClub S02E07 "Кросс-платформенная разработка приложений"

Киев 2014

Интроспекция

2002 Web: Adobe Coldfusion, PHP/MySQL

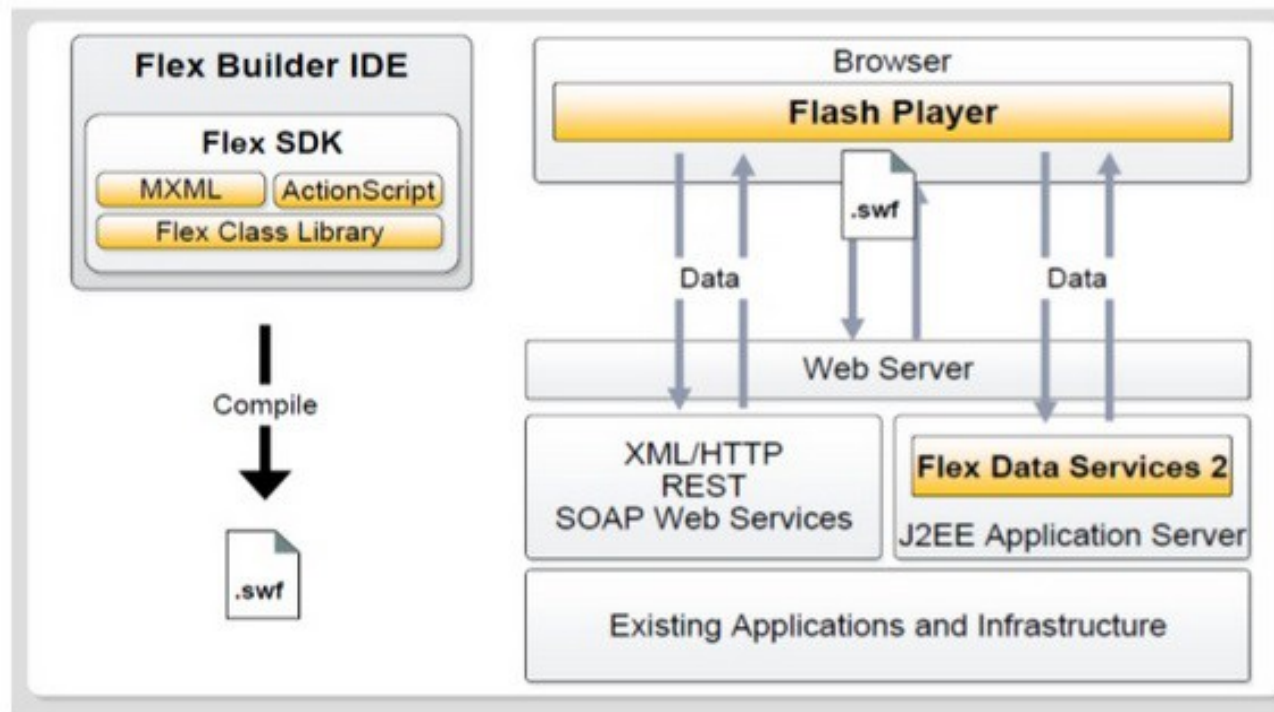*2008 Web: Adobe Flex*

2010 Mobile: Adobe Flex+AIR

2012 jQuery Mobile, Backbone.js, Adobe PhoneGap

2013 PM :-)

Adobe way

○ *Server-generated HTML (ColdFusion)*

○ *Server-generated Flash (Flex v1)*

○ *Framework for business apps (Flex v2+)*

○ *"Rich Internet Applications" - rich controls, fat client business app (Flash)*

Source: Adobe Systems, 2004

Adobe Flex

```
<mx:Panel title="HLOCChart Control Example" height="100%" width="100%">
    <mx:HLOCChart id="hlocchart" height="100%" width="100%"
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        <mx:verticalAxis>
            <mx:LinearAxis id="vaxis"
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                            title="Price"/>
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                            categoryField="Date"
                            title="Date"/>
        </mx:horizontalAxis>

        <mx:horizontalAxisRenderers>
            <mx:AxisRenderer axis="{haxis}"
                            canDropLabels="true"/>
        </mx:horizontalAxisRenderers>

        <mx:series>
            <mx:HLOCSeries
                openField="Open"
                highField="High"
                lowField="Low"
                closeField="Close"
                stroke="{s1}"
                openTickStroke="{s1}"
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            />
        </mx:series>
    </mx:HLOCChart>
</mx:Panel>
```
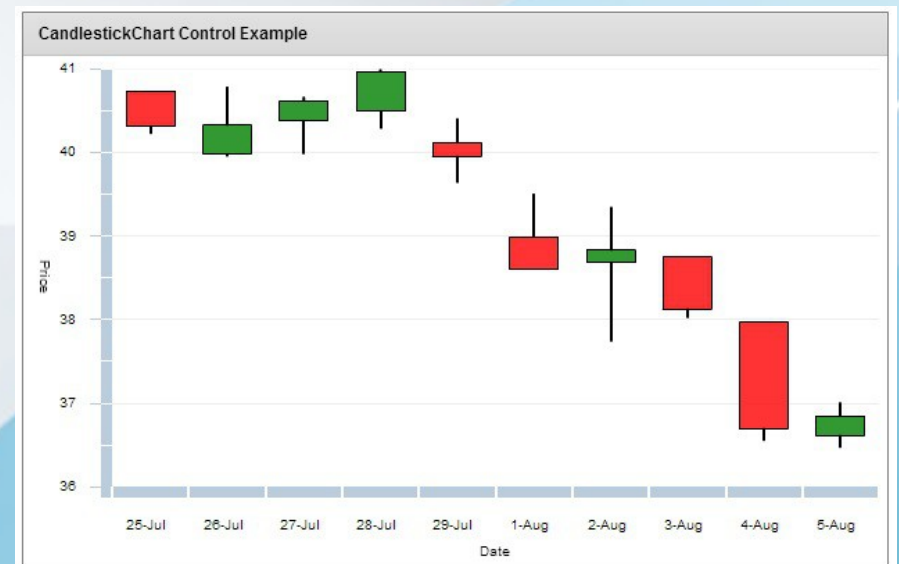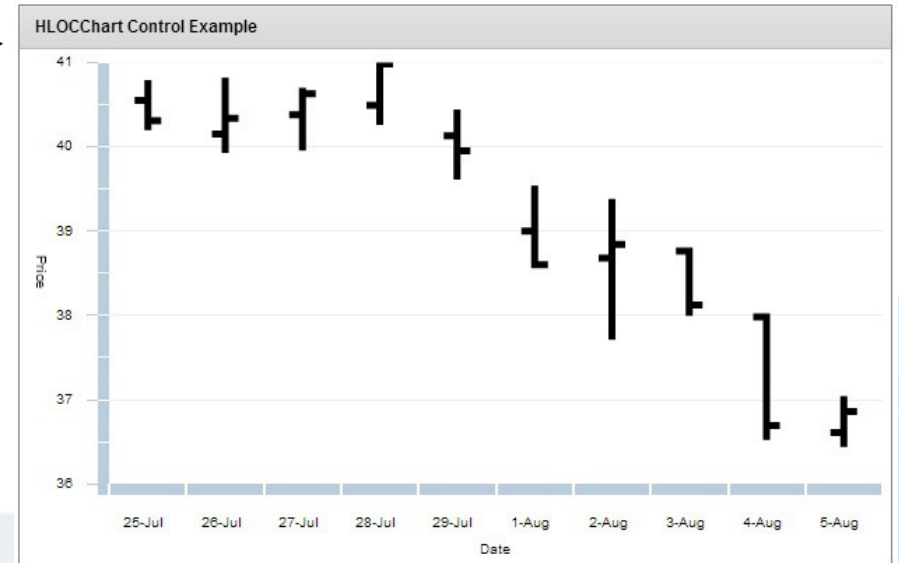

HLOCChart Control Example

CandlestickChart Control Example

@Inversis 10:41 | @Inversis 10:3
⚡Comprar: **HENKEL AG &** | ⚡Comprar: **CARREFOUR**

Últimos tweets | Inversis | Tú | Noticias

❗ *Inicie sesión para habilitar su cuenta Twitter*

Inversis Banco @Inversis · 12:19
#LaFraseDelDía Pierre Moscovici: "La deuda de Francia sigue siendo una de las más líquidas y seguras de la eurozona" t.co/l35jOqF7

Inversis Banco @Inversis · 12:15
Goldman Sachs propone a Barclays que salga de España t.co/iktJTPoc vía @expansioncom

Inversis Banco @Inversis · 11:30
Telefónica reanuda las emisiones de deuda, ahora en francos suizos t.co/z3GkI0gX vía @expansioncom

Últimas noticias

Subasta del tesoro y recomendaciones en deuda soberana y privada
El Tesoro Público vuelve a los mercados hoy martes con una emisión de letras a 12 y 18 meses, a pesar de que ya ha cubierto más del 100% de la...

Recomendaciones: Volkswagen Vorz, Carrefour y Henkel
Los mercados hoy, por Daniel Aymerich Comenzó la semana con fuertes subidas en los principales índices europeos, llegando a cerrar con alzas superiores al...

Citas: PMI manufacturero de Japón y EEUU y resultados de Hewlett-Packard
Comenzamos la jornada en clave macro con los datos de las ventas de grandes superficies y el PMI manufacturero de Japón, el PMI servicios, la...

🌐 **Índices**

Mercado **CONTINUO**
IBEX 35 — 7.745,5000
20/11 12:12:09 ▼ -18,2998 -0,24%

| ABE	10,5750	ANA	47,4050	ACX	8,2200	ACS	42,3855
▼ 14/11 16:50:46	-0,1450 -1,35%	▼ 16/11 17:38:00	-0,1300 -0,27%	▼ 14/11 16:52:15	-0,2440 -2,88%	▼ 28/11 12:38:30	-0,0100 -0,02%
ALT	14,4000	A3TV	3,0300	LOR	56,5000	BBVA	6,1130
▲ 13/03 11:10:22	0,1900 1,34%	▲ 14/11 16:47:57	0,0600 2,02%	▲ 13/09 15:09:46	2,0500 3,76%	▼ 16/11 17:38:00	-0,1580 -2,52%
SAB	7,7200	POP	0,5830	BKT	38,9700	CIN	10,9650
▼ 28/11 12:38:30	-0,0300 -0,39%	▼ 14/11 16:52:10	-0,4420 -43,12%	▼ 13/03 11:08:16	-0,2900 -0,74%	= 14/11 16:42:32	0,0000 0,00%
ENG	14,9000	ELE	15,6000	FCC	8,5210	FER	17,6000
▲ 14/11 16:52:03	0,0150 0,10%	▼ 16/11 17:38:00	-0,1250 -0,79%	▼ 16/11 17:38:00	-0,3180 -3,60%	▼ 13/03 11:10:21	-0,1800 -1,01%
GAS	11,7950	IBE	16,0000	ITX	100,1000	MVC	0,8000
▲ 14/11 16:51:53	0,0100 0,08%	▲ 13/03 11:10:26	0,2000 1,27%	▲ 14/11 16:51:39	0,2000 0,20%	▼ 06/03 11:51:58	-0,0200 -2,44%
NHH	2,7000	PRS	0,3100	RTG	0,2600	REE	34,9500
▼ 14/11 16:39:29	-0,0200 -0,74%	▼ 14/11 16:22:11	-0,0050 -1,59%	29/03 00:00:00	0,0000 0,00%	▼ 14/11 16:52:10	-0,3950 -1,12%
REP	15,1650	AUDRV04	12,3200	SYV	1,2900	SAN	5,5800

Adobe AIR
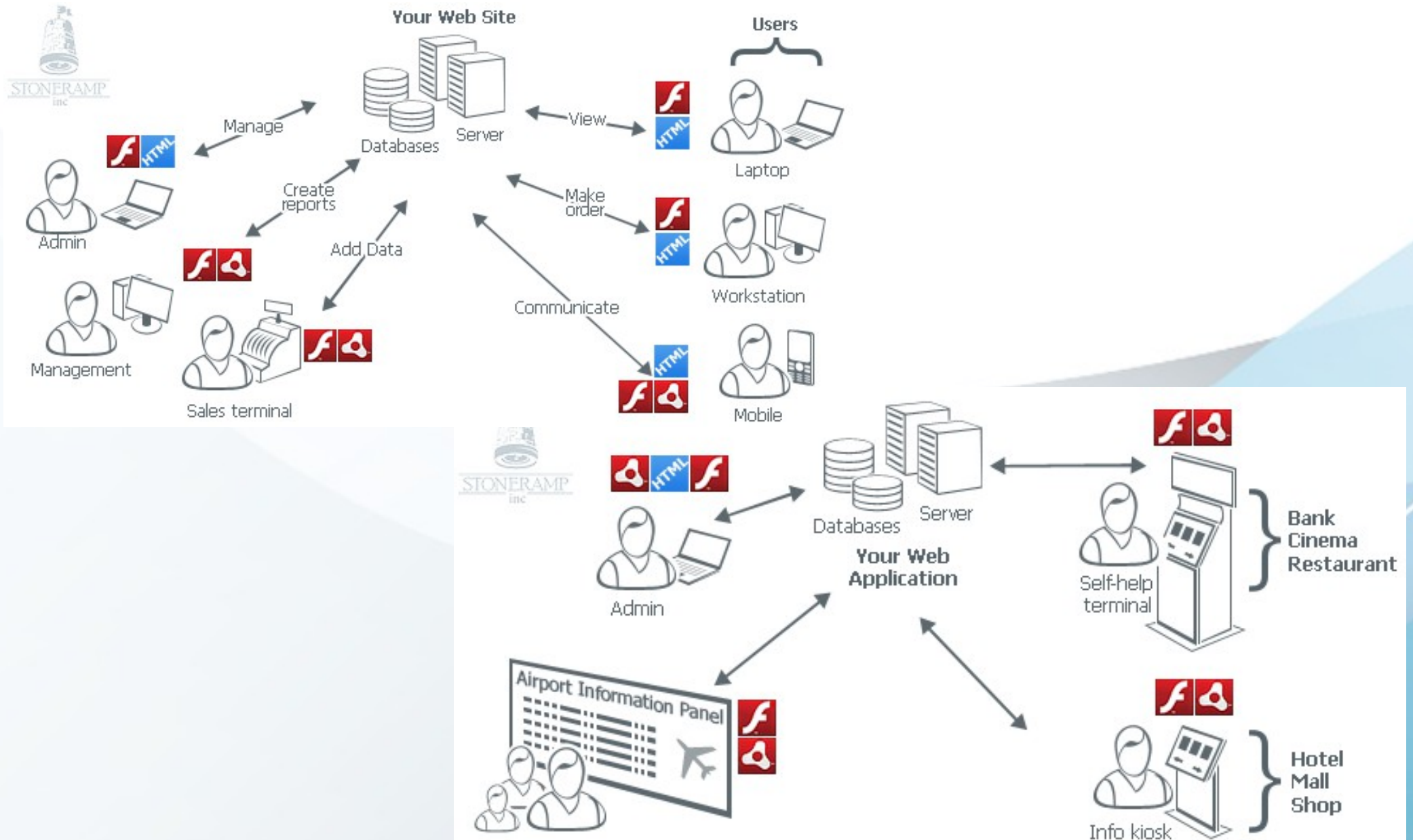
Thank you, Steve!

Flash is no more
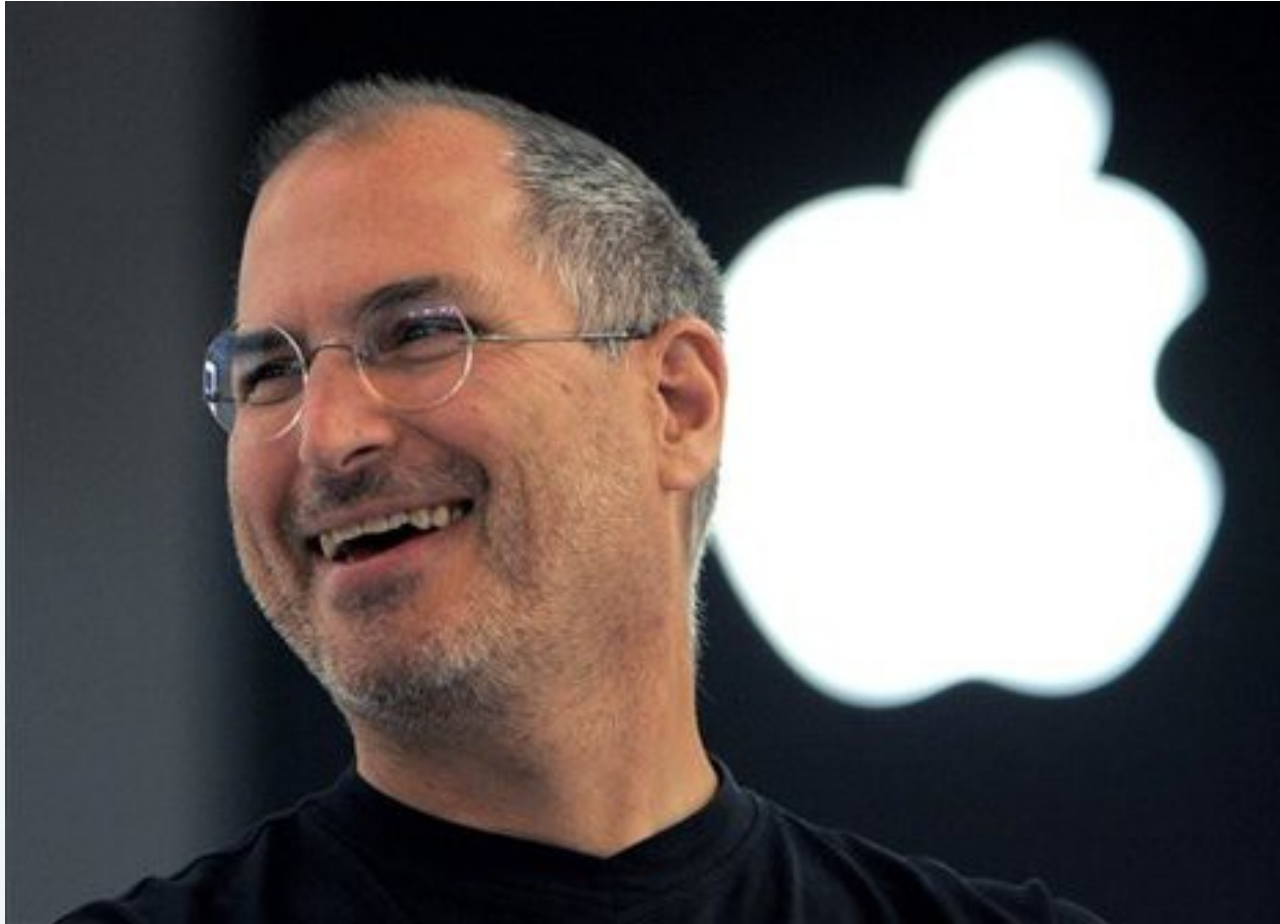
Adobe PhoneGap

- *2009 Nitobi*

- *2011 Apache Cordova*

- *HTML5 in WebView + foreign functions to communicate to hardware*

Feature	iPhone /iPhone 3G	iPhone 3GS and newer	Android 1.0 – 4.2	Windows Phone	BlackBerry 10 and PlayBook OS	4.6–4.7	5.0-6.0+	Bada	Symbian	webOS	Tizen	Ubuntu Touch	Firefox OS
Accelerometer	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Camera	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	?
Compass	N/A	Yes	Yes	Yes	Yes	N/A	N/A	Yes	N/A	Yes	Yes	Yes	Yes
Contacts	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	N/A	Yes
File	Yes	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A	N/A	Yes	Fies	?
Geolocation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Media	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	Yes	Yes	?
Network	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?
Notification (alert, sound, vibration)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Storage	Yes	Yes	Yes	Yes	Yes	N/A	Yes	N/A	Yes	Yes	Yes	Yes	?

Setting up: node.js

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

Current version: **v0.10.28**

	Windows Installer	Macintosh Installer	Source Code
	node-v0.10.28-x86.msi	node-v0.10.28.pkg	node-v0.10.28.tar.gz

Windows Installer (.msi)	32-bit	64-bit
Windows Binary (.exe)	32-bit	64-bit
Mac OS X Installer (.pkg)	Universal	
Mac OS X Binaries (.tar.gz)	32-bit	64-bit
Linux Binaries (.tar.gz)	32-bit	64-bit
SunOS Binaries (.tar.gz)	32-bit	64-bit
Source Code	node-v0.10.28.tar.gz	

Note: Python 2.6 or 2.7 is required to build from source tarballs.

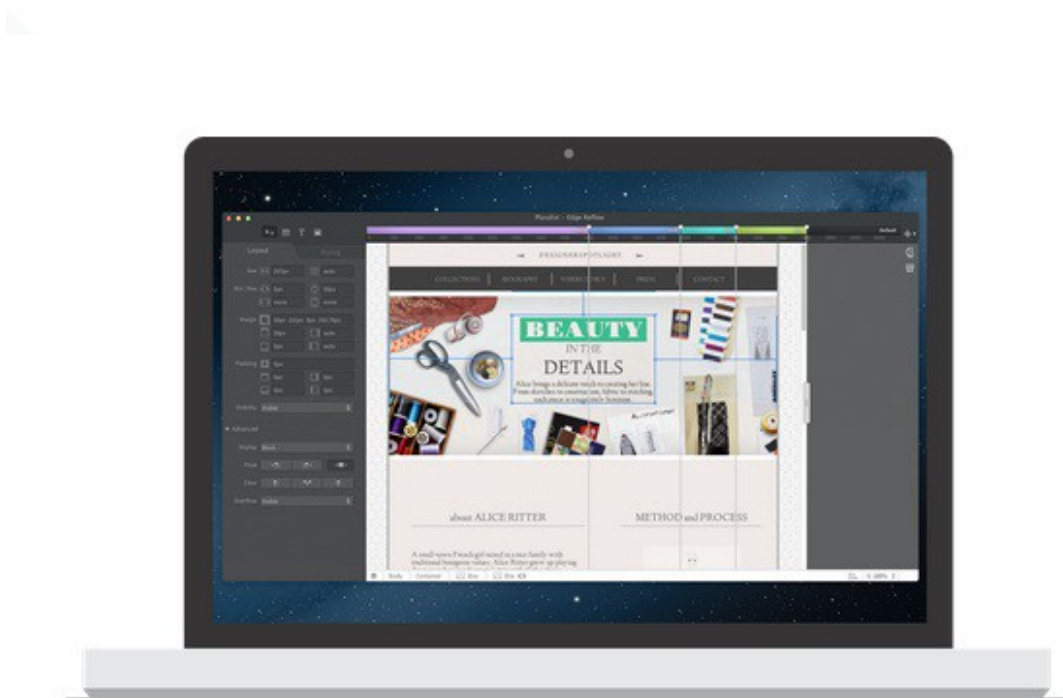# Setting up: PhoneGap node.js module

Setting up: environment

- *Java*

- *Android Development Kit*

- *ANT*

Setting up: platforms

- *phonegap create hello com.example.hello HelloWorld*

- *cd hello*

- *phonegap platform add android*

- *phonegap build android*

- *phonegap run android*

Design

topcoat.io
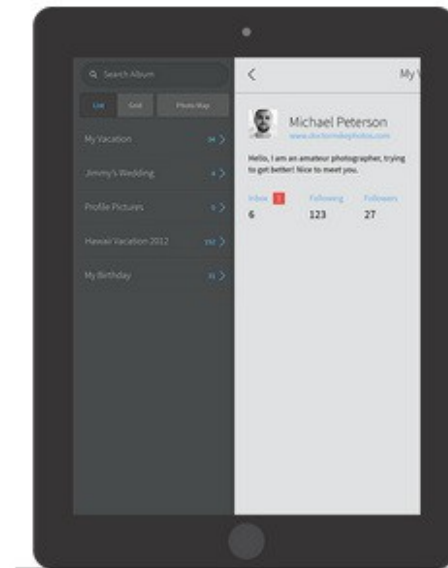
Dev tools

- ○ *Firebug*

- ○ *Eclipse + ADT*

- ○ *PhoneGap Build*

Pro & Cons

- + Develop fast and dirty

- + No skills other than regular web skills

- - Visual performance and responsiveness

- - Long lists

- Use when logic is on server and front-end needs non-standard design

Reading

http://raymondcamden.com/

http://coenraets.org/

http://phonegap.com/blog/

Thank you

**Skype me
rodionbykov**