



Alex Carpentieri

CTO

@alexcarpe

SOCCESSQUARE TECHNOLOGY



The best technologies you need to develop your backend...

... at the end of this presentation



SOCCE_R **SQ_{UARE}** **20₋14**

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**Dominator**

Season 1 - Day 2

13:33:01

NAPULITANS

PROSSIMA PARTITA

VS

DOMINATOR

26 SEP

3:00 PM

Sportcity

Profilo

Campionati

Calciatori

Mercato

Economia

\$ 10.305.670

501

+

501

+



Like

4k

**Dominator**

Season 1 - Day 2

13:33:18

NAPULITANS

PROSSIMA PARTITA

VS

DOMINATOR

26 SEP

3:00 PM

\$ 10.305.670

+ 501



Sportcity

Profilo

Campionati

Calciatori

Mercato

Economia

Classifica

Classifica delle amichevoli

Calendario

#	Squadra	Pts	P	W	L	D	GS	GC	GD
1	▲ SEXY GENOA DEVILS	3	1	1	0	0	4	0	4
2	▲ NAPOLI 34370	3	1	1	0	0	3	0	3
3	▲ A.C. TUA	3	1	1	0	0	3	0	3
4	▲ MILAN NOVI	3	1	1	0	0	2	0	2
5	▲ GALLI DIDDIO	3	1	1	0	0	5	4	1
6	▼ PASSEROTTA	3	1	1	0	0	3	2	1
7	▲ SALERNO CALCIO	3	1	1	0	0	2	1	1
8	▼ CHIASSA	1	1	0	0	1	4	4	0
9	▲ AS ROMA 29281	1	1	0	0	1	4	4	0
10	▼ BELLIGROSSI	1	1	0	0	1	1	1	0
11	▼ AS ROMA 2	1	1	0	0	1	1	1	0
12	▼ NECROMUNDA CITY	0	1	0	1	0	4	5	-1
13	▲ NAPULITANS	0	1	0	1	0	2	3	-1
14	▼ ROBNIC	0	1	0	1	0	1	2	-1
15	▼ MASTERLUCA	0	1	0	1	0	0	2	-2
16	▼ VESUVIANA	0	1	0	1	0	0	3	-3
17	▼ DOMINATOR	0	1	0	1	0	0	3	-3
18	= BLACK WARRIORS	0	1	0	1	0	0	4	-4

#	Attaccante	Squadra	Gol
1	Joe Barker	MASTER...	0
2	Francesco C...	Passerotta	0
3	Charles Arm...	Sexy Ge...	0
4	Hilário Rod...	Necrom...	0
5	Gordon Patt...	Napoli ...	0
6	Antonio Ser...	As Roma 2	0
7	Alex Bates	As Rom...	0
8	Olin Soto	A.C. TUA	0
9	Halden Mor...	ROBNIC	0
10	Gregory Har...	MASTER...	0
11	Ron Holmes	Passerotta	0
12	Olin Berry	Sexy Ge...	0
13	Joshua Mills	Necrom...	0
14	Johnnie Riley	Napoli ...	0
15	Nathan Ortega	As Roma 2	0
16	Marcus Han...	As Rom...	0
17	Orson Knight	A.C. TUA	0
18	Ugur Kaplan	ROBNIC	0
19	Fo-hsing Long	Milan Novi	0
20	Kilby Horton	Napulit...	0



Dominator

Season 1 - Day 2

13:34:00

NAPULITANS

PROSSIMA PARTITA

VS

DOMINATOR

26 SEP

3:00 PM

Sportcity

Profilo

Campionati

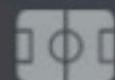
Calciatori

Mercato

Economia

\$ 10.305.670

501



Calciatori

Formazione

Allenamenti

Cambia vista:

Campo

Ruoli & Tattiche

Name

1 Bruno Giurleo	🇮🇹 31 Pt	100%	★★★★★
30 Aldo Berenato	🇮🇹 25 DS	100%	★★★★★
19 Randall Stokes	🇫🇷 23 DC	100%	★★★★★
20 Jay Norton	☐ 27 DD	100%	★★★★★
11 Nathaniel Obrien	🇨🇱 30 Med	100%	★★★★★
18 Leonard Vasquez	🇨🇱 26 Med	100%	★★★★★
12 Raulo MartÃn	🇦🇷 24 CS	100%	★★★★★
17 Edwin Flowers	🇨🇱 31 CC	100%	★★★★★
14 Gregory Burns	🇯🇲 31 CD	100%	★★★★★
10 Kenji Cornu	🇫🇷 25 CoC	100%	★★★★★
9 Alonso DÃez	🇨🇴 29 Att	100%	★★★★★
1 John Walsh	🇺🇸 26 DD	100%	★★★★★
16 Jasper Newton	🇬🇧 28 DD	100%	★★★★★
6 Leo Doyle	🇳🇴 24 Med	100%	★★★★★
8 Aldo Bernini	🇮🇹 25 CD	100%	★★★★★
2 AbanÃ£ Ferreira	🇵🇹 33 Att	100%	★★★★★
4 Lorenzo Bernardini	🇮🇹 25 Pt	100%	★★★★★
5 Ross Jenkins	🇫🇷 35 Med	100%	★★★★★
32 Gennaro Brunato	🇮🇹 19 CC	80%	★★★★★
13 Kendrick Swanson	🇨🇱 22 CD	80%	★★★★★
7 Romano DeNatale	🇮🇹 25 CoC	100%	★★★★★

Forza formazione: ★★



Caricamento

Salva

Reset



Andrea

Alex

Gabriele

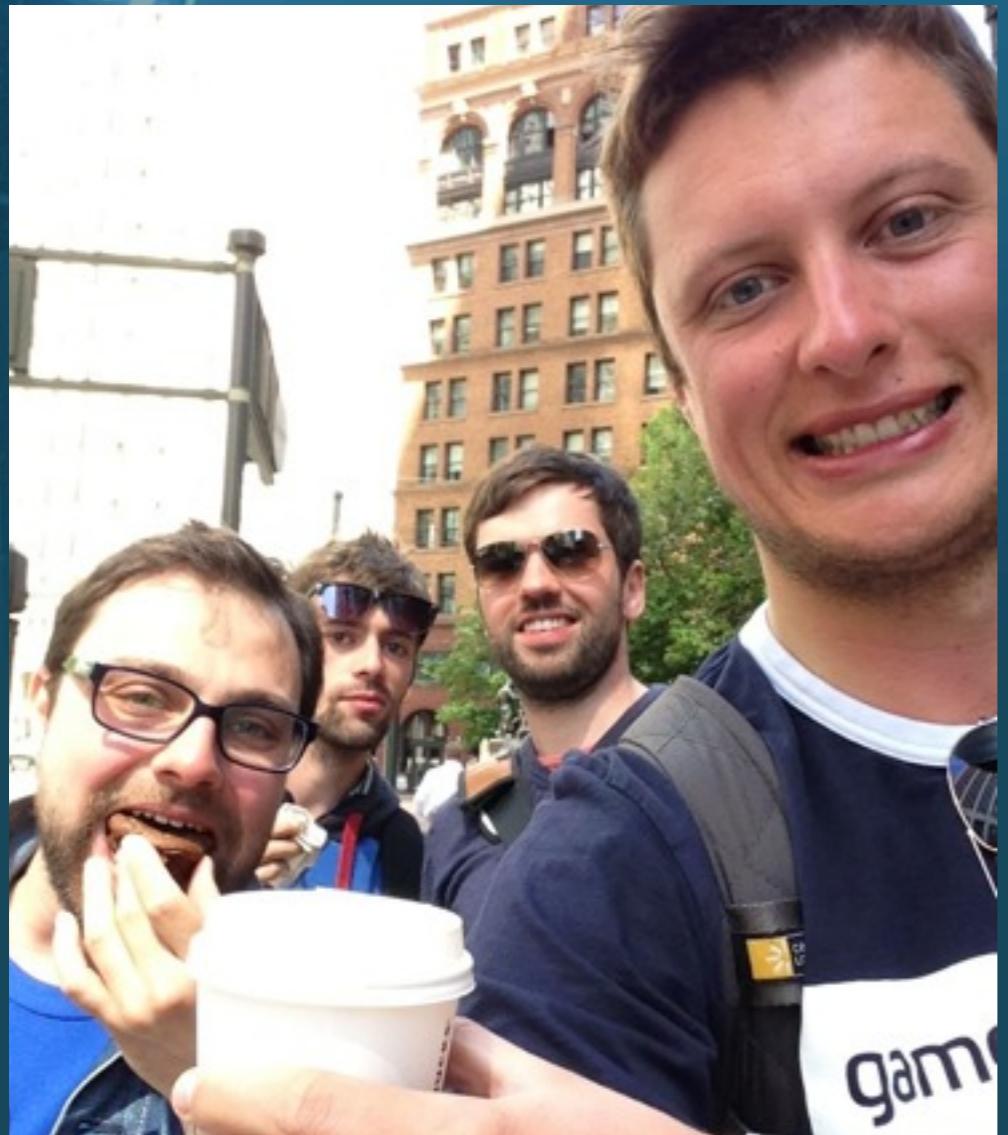
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FRONTEND TECHNOLOGY

HTML5 + AngularJs

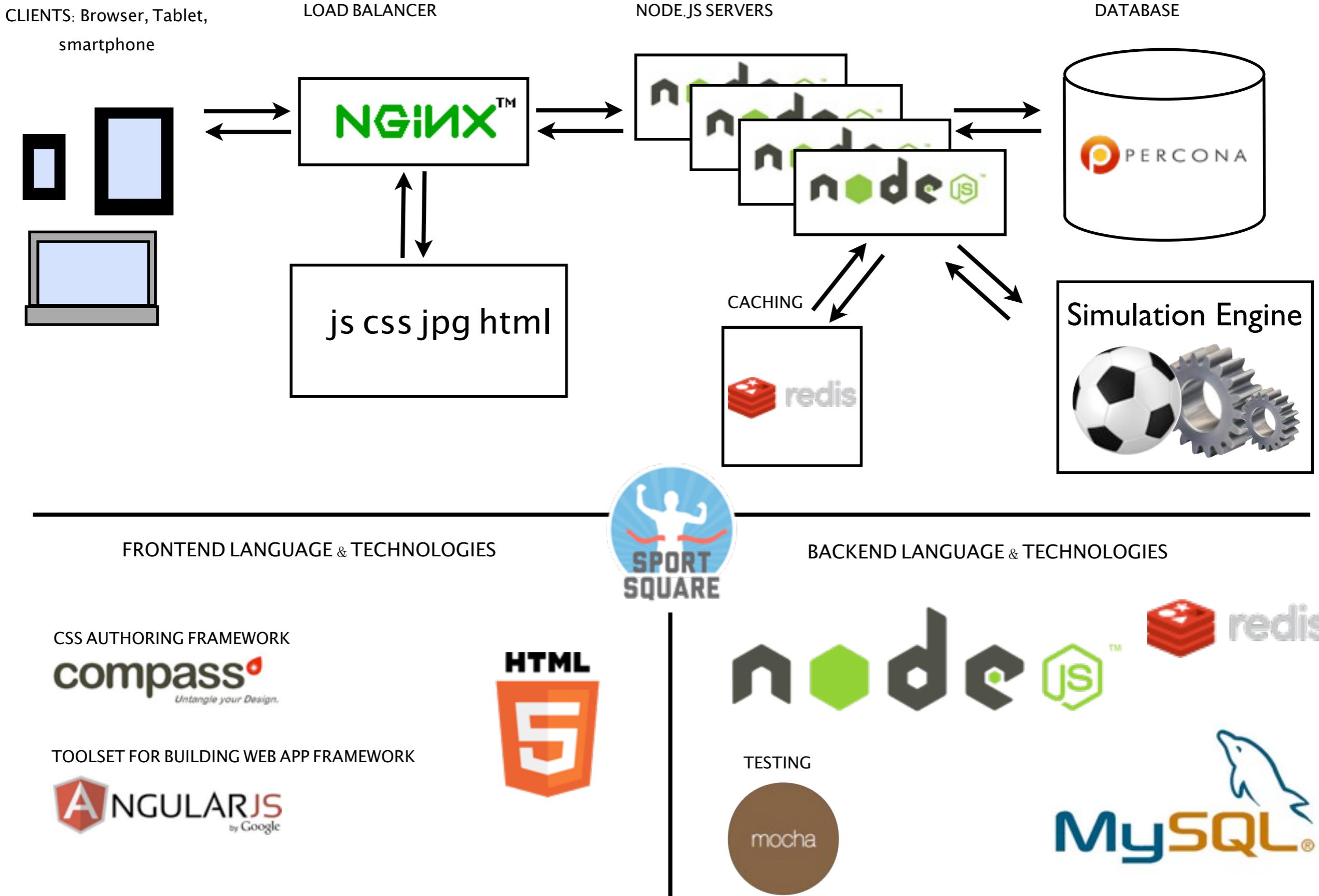
- ✓ Dynamic content is rendered directly by the browser
- ✓ Easy to learn

BACKEND TECHNOLOGY
Node.js + Mysql + Redis + Mocha + Nginx

=

“TANTA ROBA!”

cit. Anonymous



Why Node.js?

- ✓ High performance
- ✓ Same language client & server side
- ✓ API-oriented with express.js

Why NGINX?

- ✓ Load balancing made easy
- ✓ Easy to learn and setup
- ✓ Fast on serving static files

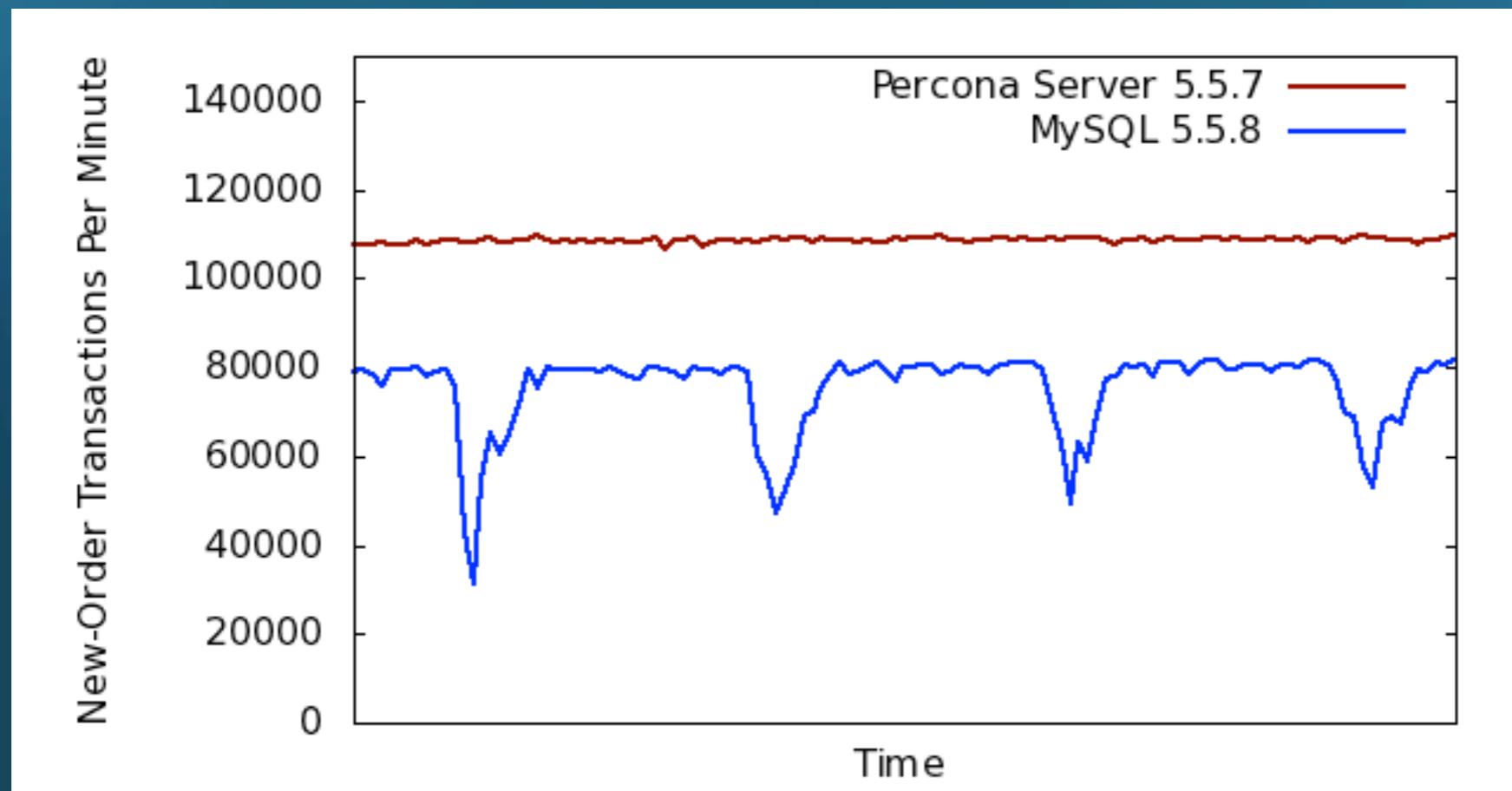
Why Mocha?

- ✓ Testing
- ✓ Easy to learn and use
- ✓ It's a MUST

Why Percona SERVER?

- ✓ High performance on MySQL
- ✓ Hot Updates

Why Percona SERVER?



Why Percona SERVER?

- ✓ No time to learn other DBMS
- ✓ Storage systems

Why? Redis SERVER

- ✓ Easy to integrate
- ✓ Drastically drops the need of reading data from database
- ✓ key/value - structured data - primitive - queue

Redis: key/value

Used for caching data from
the database

Redis: message

Used for exchanging infos
between node instances

Deadlines

- ✓ Development for 5 months x 3 people
- ✓ Testing performance - open beta
- ✓ Launching with Brescia Calcio & Torino FC

At the begin of **October**: launch with ItaliaONLINE

End of **October**... surprise!

Expected users by the end of the year

200K MAU

20K DAU

15% peak in an hour

20 min average session length

3K per hour



≈1K connected online

Joyent Machine

50K€ in HW resources



The best technologies you need to develop your backend...

... are the ones you already know.

Please balance R/D or you might never finish your project



Alex Carpentieri

CTO

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THANK YOU FOR YOUR ATTENTION!