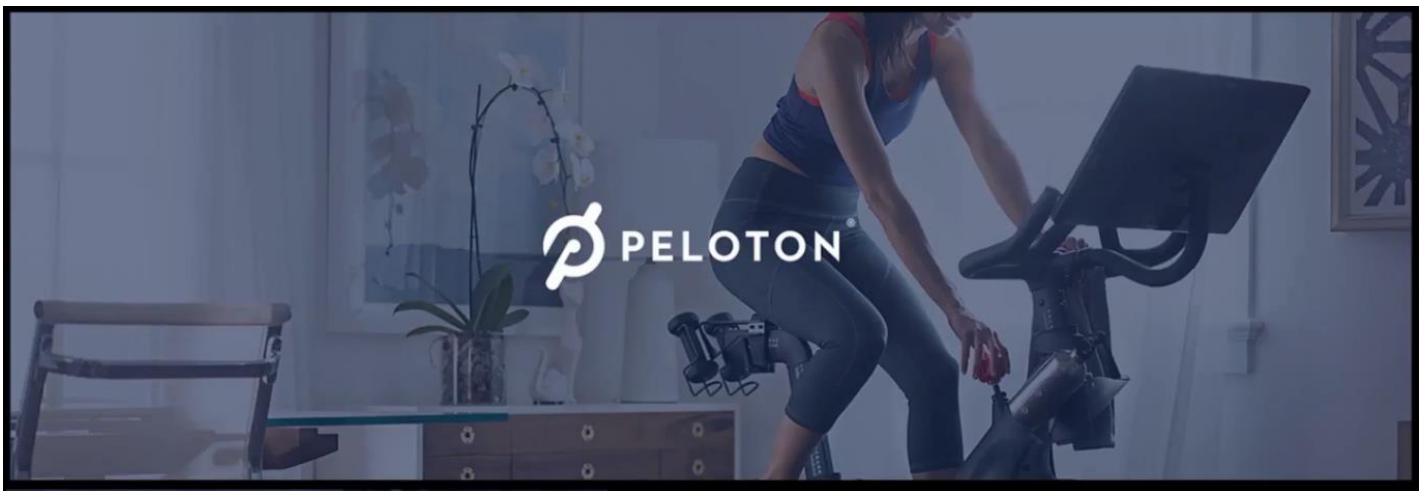
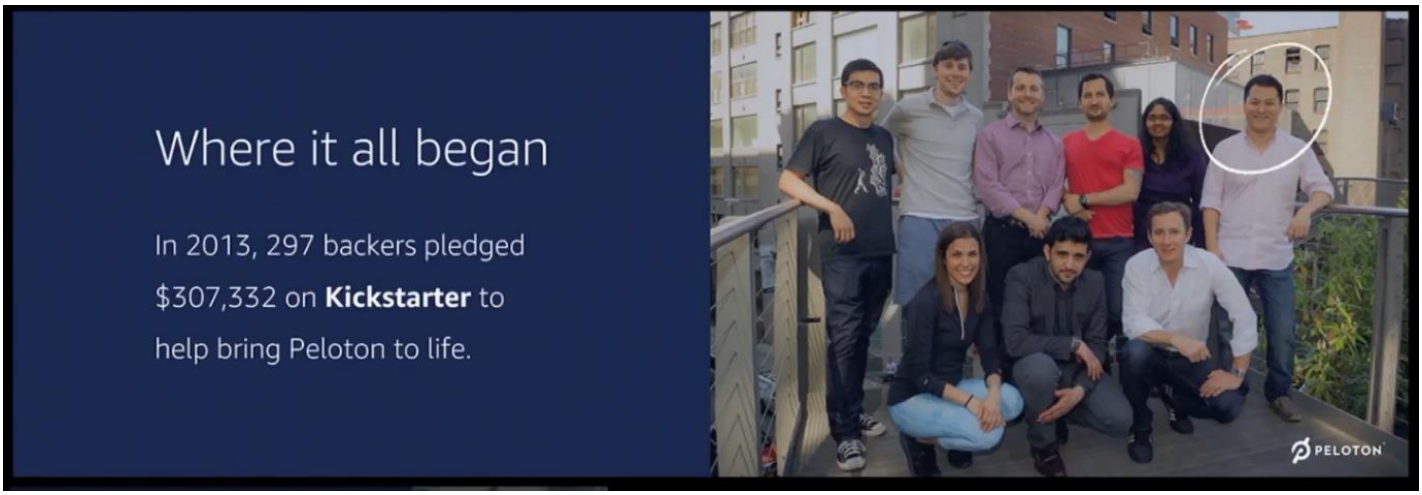


Connected in-home fitness experience in the form of a Peloton bike that lets members ride together.



1M+ users

10 rides/month/user

8,000+ on-demand rides

1,000+ employees

31 retail showrooms

7 billion calories burned

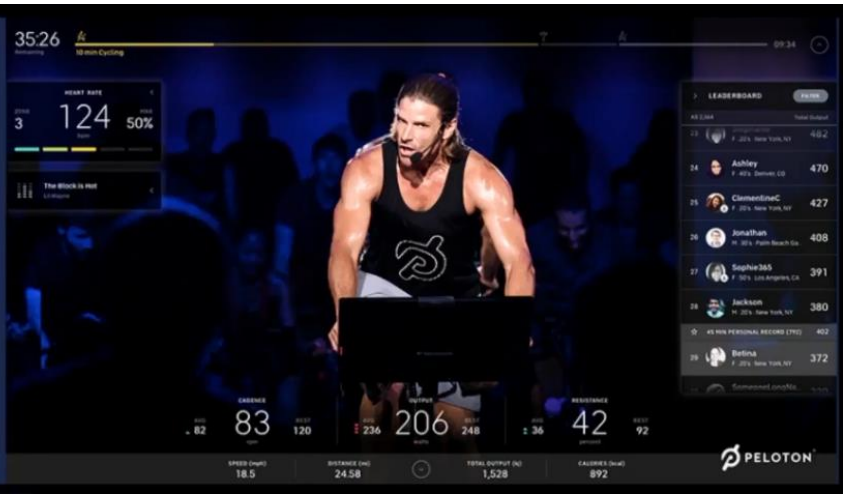
166 million miles ridden

PELOTON

A passionate community of riders

A passionate community of riders

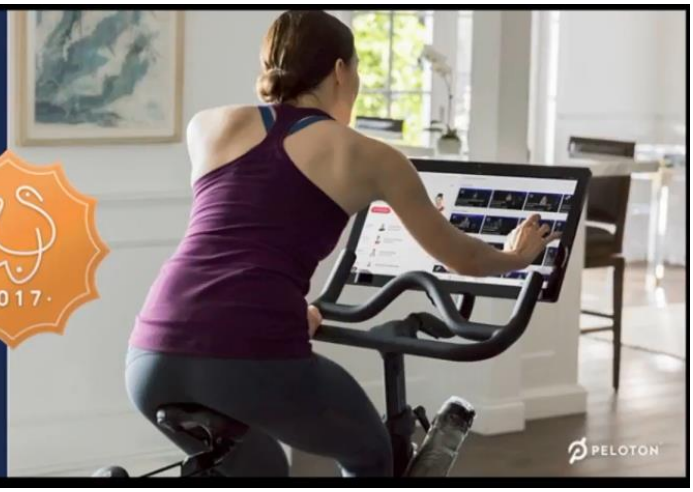
Leaderboard



Live leaderboard

13,000 RIDERS

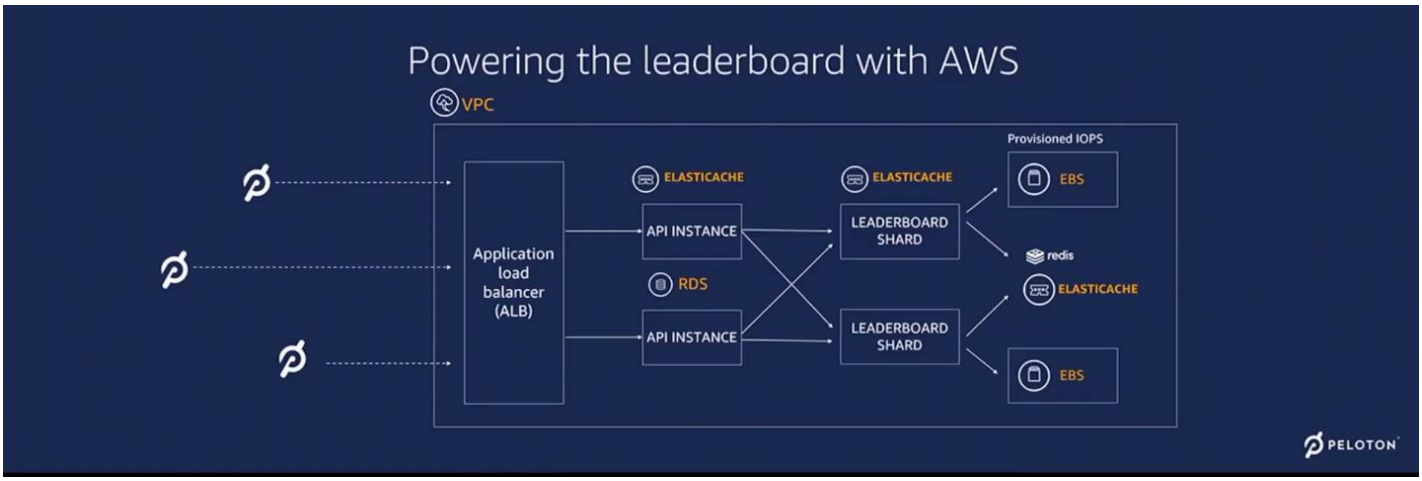
20K REQUESTS PER SECOND



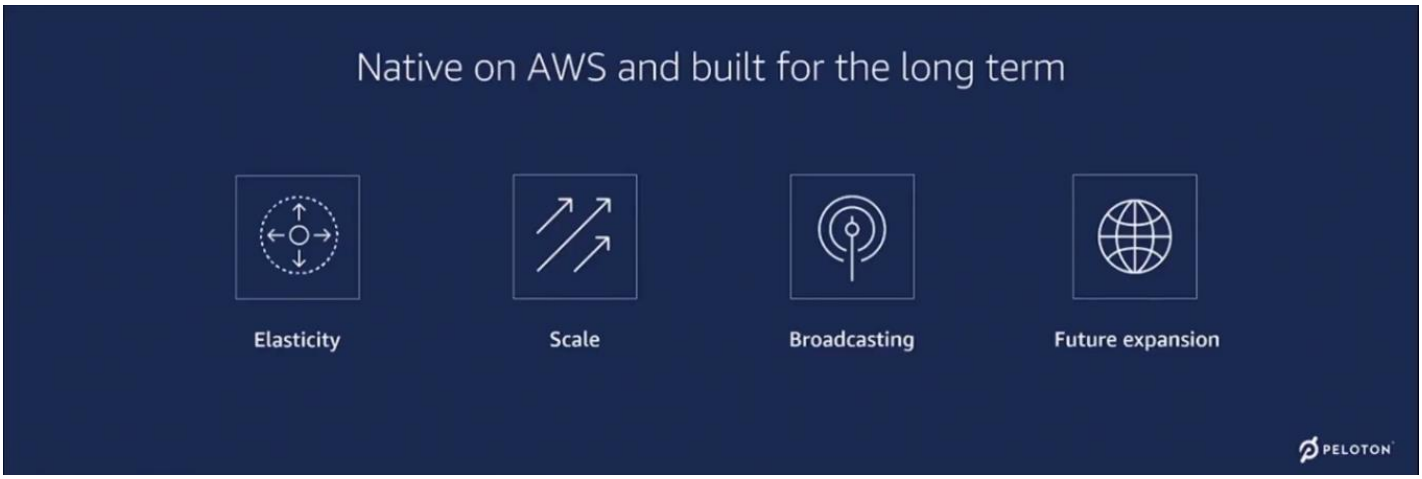
On-demand leaderboard

6,000 RIDERS DURING LIVE RIDE

SCALING TO 30,000 PEOPLE

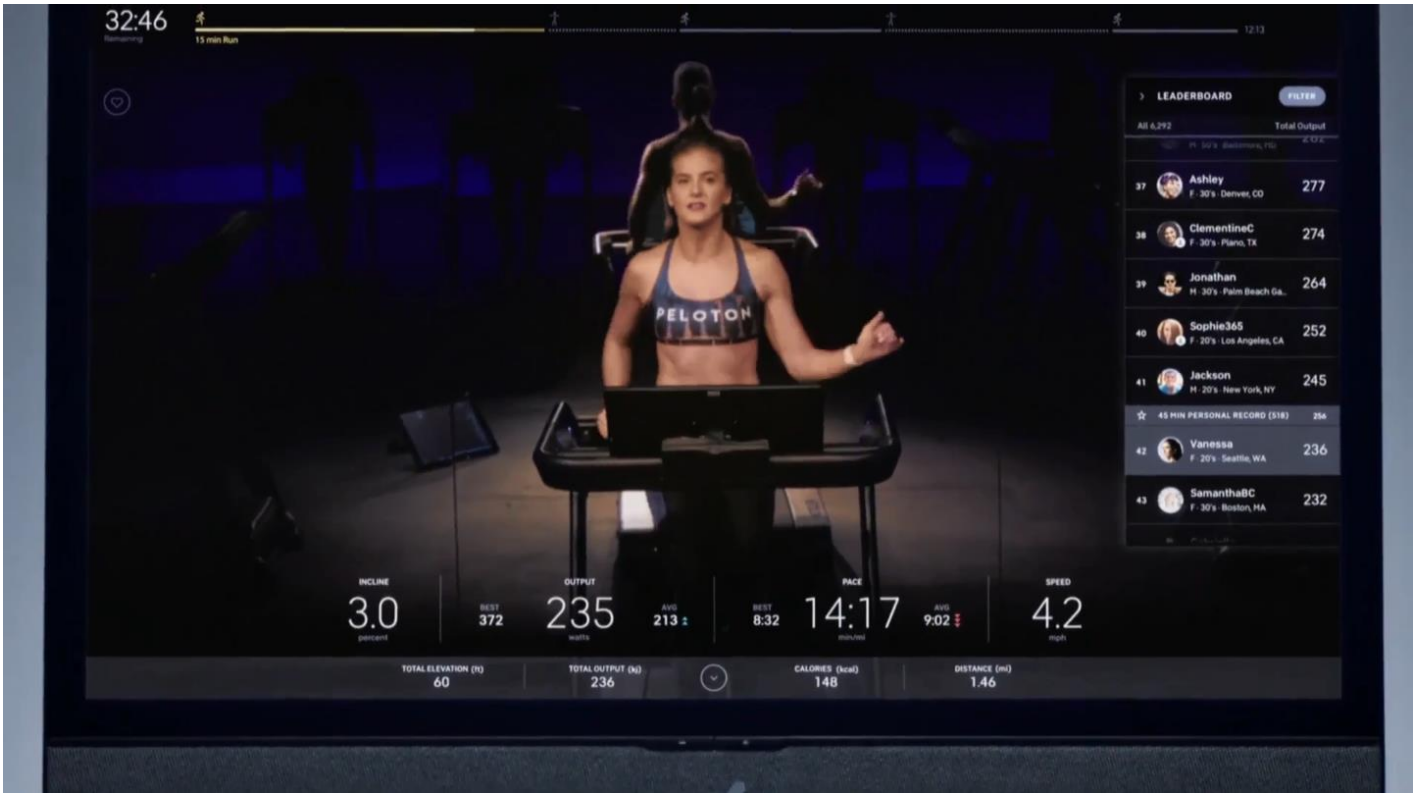


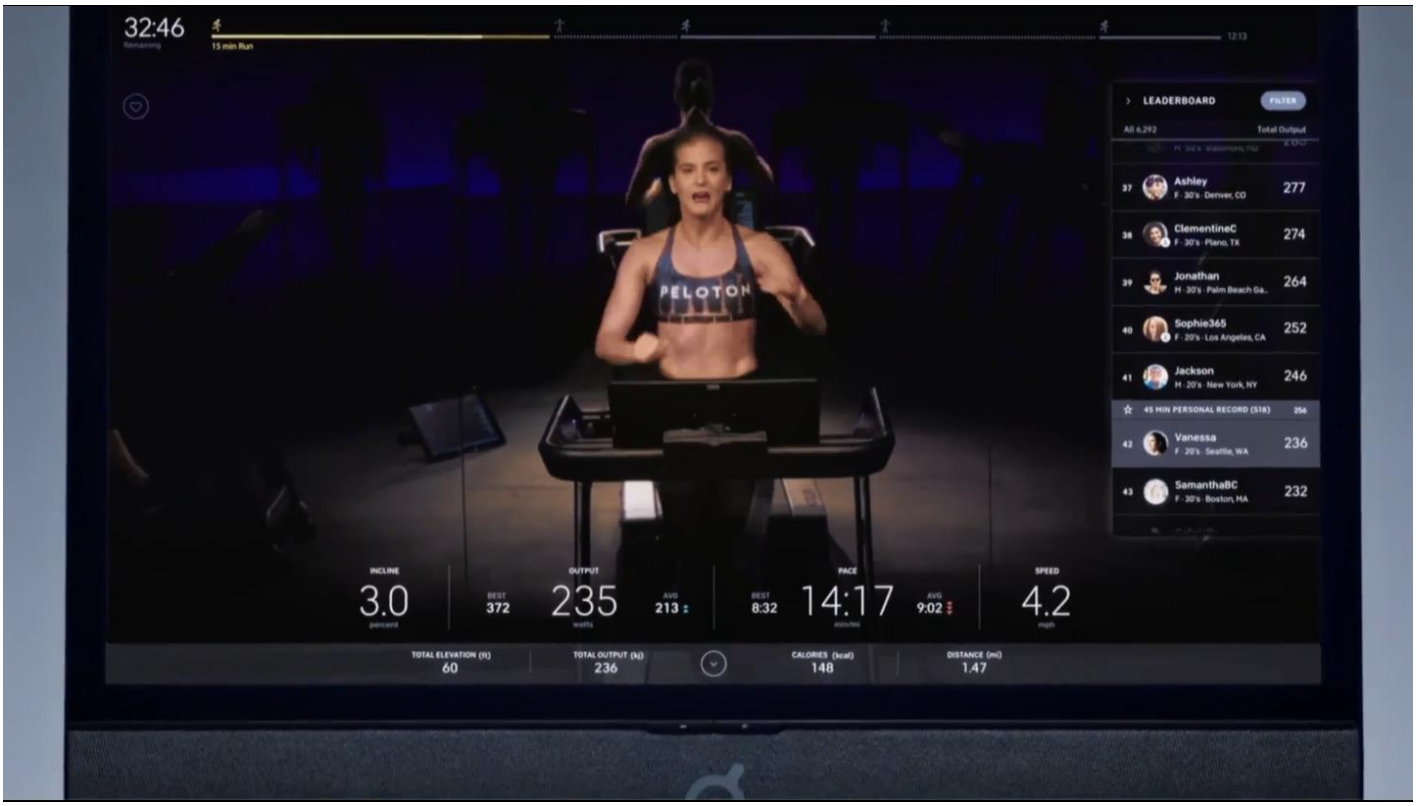
The first challenge is that we need to process massive amounts of data in a live fashion and you need to filter the data dynamically for specific users based on their social graph, age group, gender, etc. The second challenge is that we need to replay massive amounts of data to each individual on-demand rider and filtering that to their personalized needs.



We use AWS automatically scalable ALB, the high throughput of ElastiCache, the configurability of provisioned IOPs on top of EBS, and the beefy, multi-processing EC2 instances to tie all this together. We also use the Amazon Elemental Transcoding service to transcode all of our live and on-demand rides.

LIVE TOTAL BODY FITNESS HAS A NEW HOME.
YOURS.


32:46
Remaining
15 min Run
LEADERBOARD
FILTER
All 6,292
Total Output
37 Ashley F · 30's · Denver, CO 277
38 ClementineC F · 30's · Plano, TX 274
39 Jonathan M · 30's · Palm Beach Ga.. 264
40 Sophie365 F · 20's · Los Angeles, CA 252
41 Jackson M · 20's · New York, NY 245
45 MIN PERSONAL RECORD (518) 256
42 Vanessa F · 20's · Seattle, WA 236
43 SamanthaBC F · 30's · Boston, MA 232
INCLINE
3.0
percent
OUTPUT
BEST 372
235
watts
AVG 213
PACE
BEST 8:32
14:17
min/mi
AVG 9:02
SPEED
4.2
mph
TOTAL ELEVATION (ft) 60
TOTAL OUTPUT (kj) 236
CALORIES (kcal) 148
DISTANCE (mi) 1.46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25:09
LEADERBOARD
Ashley 372
ClementineC 362
Jonathan 356
Sophie365 352
Jackson 345
Vanessa 343
SamanthaBC 331
1.5
372
349
342
8:32
8:06
8:45
7.4
106
343
343
2.75

INCLINE
9.4
percent
332
223
212
832
TOTAL ELEVATION (ft)
135
TOTAL OUTPUT (kJ)
235

12:54
96
52%

THE PELOTON TREAD | FALL 2018
PELOTON