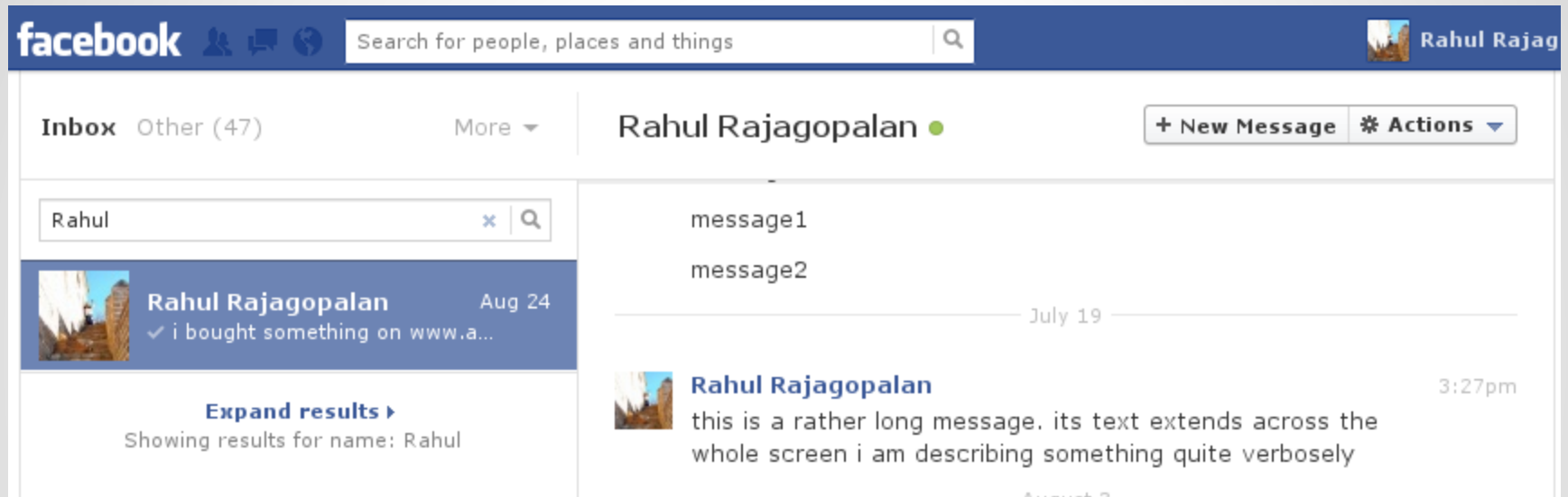


Messages is Integral to Facebook!



- At least a billion chat messages sent/day
- Reviewing old conversations very common
- Search experience should be fast, intuitive

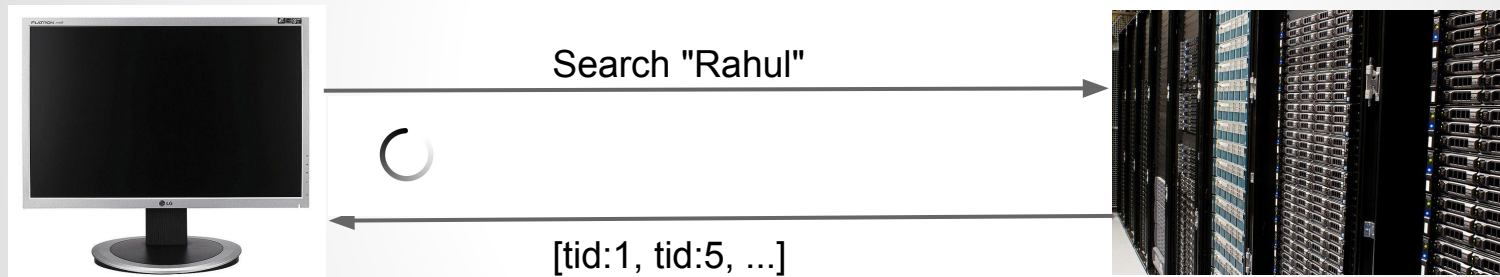
Speeding Up Facebook Messages Search

Rahul Rajagopalan



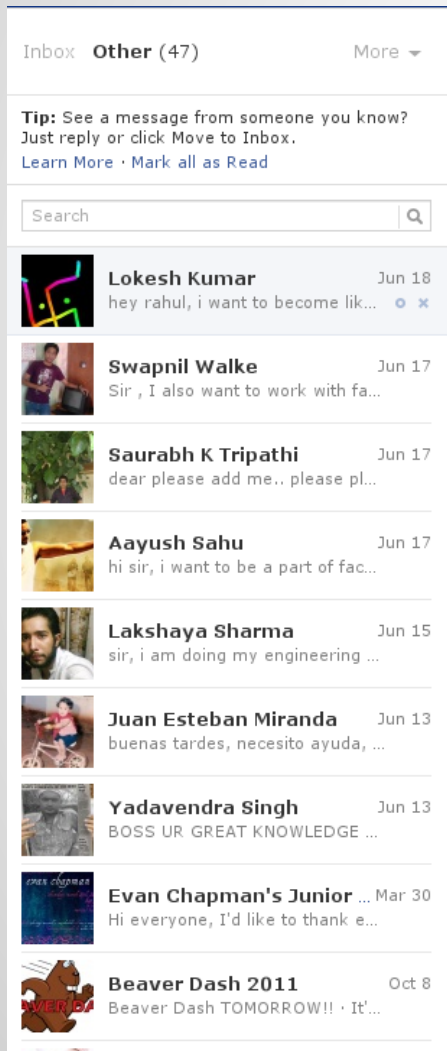
State of the Redesign

- Most tasks streamlined via JavaScript
- No full page reloads
- But search was still slow..



- Must wait for a round-trip to see results
- Wrong query? Wait some more!

My Contributions



- The page has already loaded some messages
 - Run code in browser to search them
- Other techniques
 - Cache results
 - Narrow from broader queries
- Response time becomes instant
- Less load on the server