

Russians In PostgreSQL

Oleg Bartunov
Postgres Professional



Russian Developers

Vadim Mikheev, Krasnoyarsk (PostgreSQL CORE MEMBER)

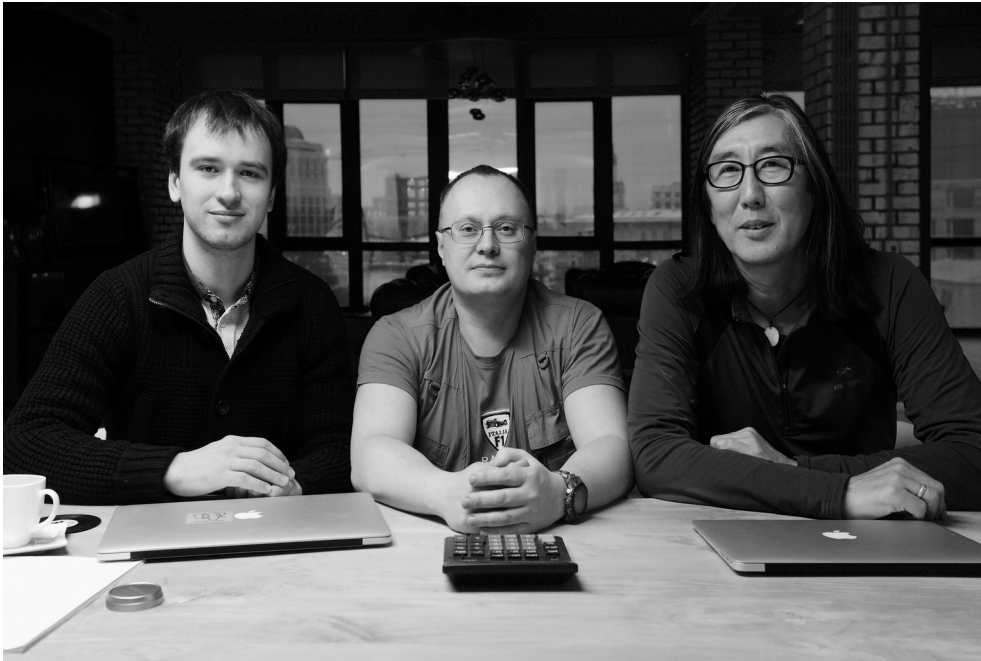


PostgreSQL CORE

- MVCC
- WAL
- Subselects
- Vacuum
- Transactions Isolation
- Triggers

Russian Developers

Oleg Bartunov, Teodor Sigaev, Alexander Korotkov



- Speakers PGCon, PGConf: 20+ talks
- GSoC mentors
- PostgreSQL committer (1)
- Conference organizers
- 50+ years of PostgreSQL experience: development, consulting & audit
- Novartis, Raining Data, Heroku, Engine Yard, WarGaming, Rambler, Avito, 1c

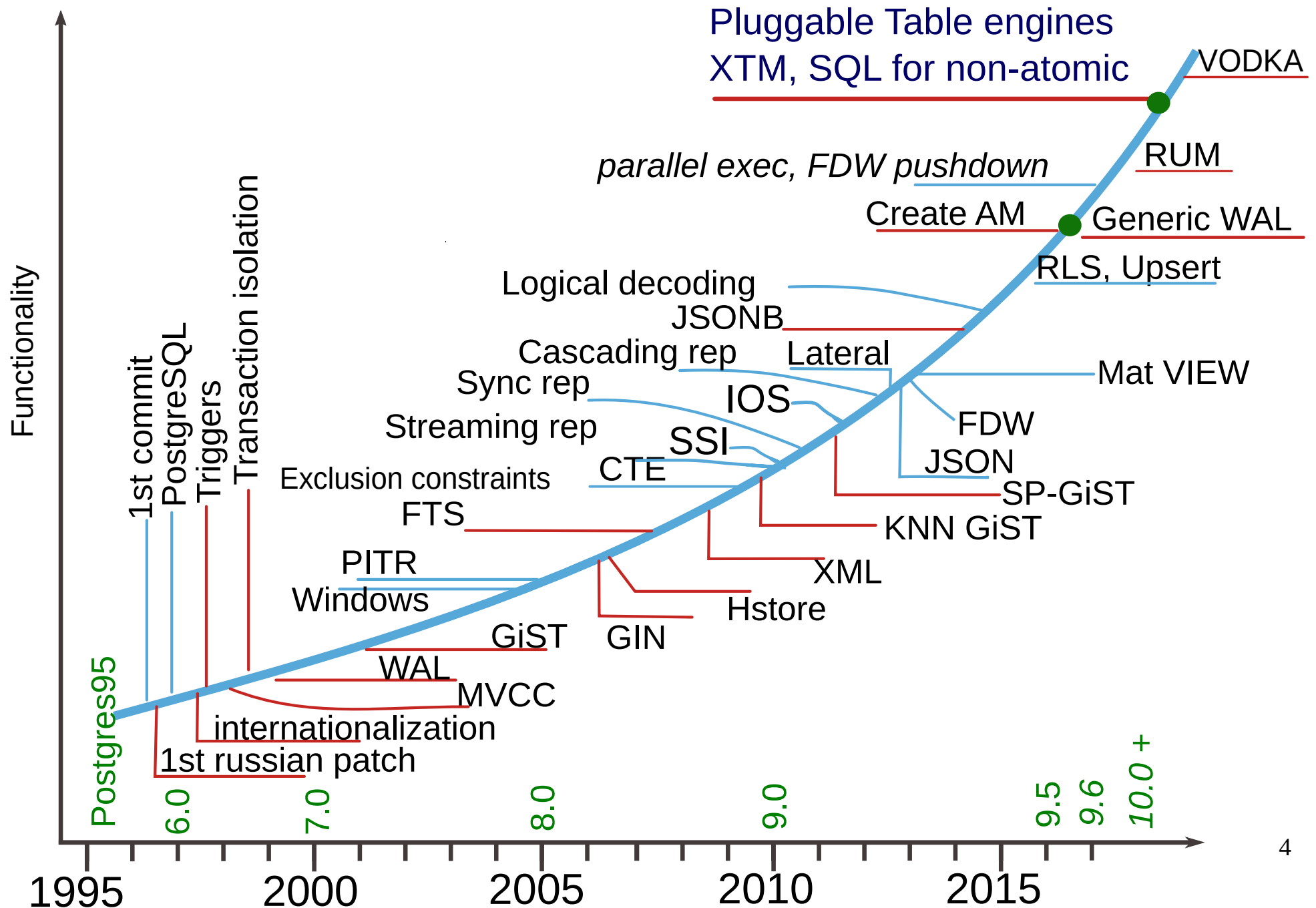
PostgreSQL CORE

- Locale support
- PostgreSQL extendability: GiST(KNN), GIN, SP-GiST
- Full Text Search (FTS)
- NoSQL (hstore, jsonb)
- Indexed regexp search
- Custom AM & Generic WAL
- RUM AM
- VODKA access method (WIP)

Extensions:

- Intarray
- Pg_trgm
- Ltree
- Hstore
- plantuner

20 years of PostgreSQL



Summary

- First russian commit (Vadim Mikheev) was made 2 weeks after the project starts and russian contribution (red marks) was substantial during the whole period.
- Vadim Mikheev is responsible for Postgres fundamental features (ACID)
- Oleg Bartunov introduced locale support, which made postgres available for other than english world (postgres was 7-bit based). His work was greatly enhanced by community.
- Oleg, Teodor, Alexander are responsible for postgres extensibility infrastructure (GiST, GIN, SP-GiST, Custom AM), which helped postgres to be competitive (new features made fast) in modern time. To extend the limits of postgres extensibility we are working on table engines to have pluggable storages.
- Oleg, Teodor, Alexander made non-atomic data types to be 1st class citizen in Postgres (arrays, hstore, fts, jsonb are now widely used). New challenge is to develop SQL support for non-atomic data types to have them fully supported (get rid of opaque to postgres query languages like tsquery, jsquery, intquery...). Their non-core work includes postgres support in chemistry (rdkit), astronomy (pgsphere, q3c), postgis.
- Oleg and Alexander several times participated in GSoC as mentors from Postgres community.
- Oleg, Teodor, Alexander has founded Postgres Professional company, russian vendor of postgres, which became important player in postgres ecosystem (65 patches in 9.6, see roadmap https://wiki.postgresql.org/wiki/Postgres_Professional_roadmap).
- Russian community is one of the biggest postgres community in the world.
- Postgres logo (slonik) was made by russians (see my post <http://obartunov.livejournal.com/186860.html>).
- Two generations of postgresql.org was made by russians.
- Notice: Community part in the aforementioned development projects is very important - it is the community which actually made all developments by individual developers to be available to users. This is the power of postgres community and this list of russian contribution was made specially to russians to prove that russian part of postgres is substantial.