

Gleb Arestov, **Principal Frontend Engineer**  
Experience: **15 years**, Age: 35 years  
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Location: Batumi, Georgia (GMT+3),  
🏠 Buenos Aires, Argentina (GMT-3; PST+5; EST+1)



## Intro

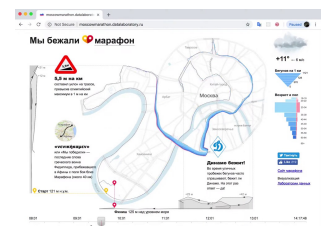
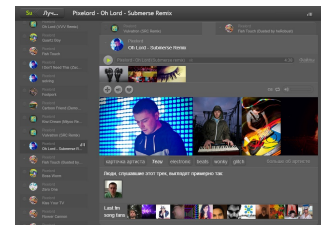
I've worked at 3 startups. I built a lot of things from ground (as **1st engineer at 2 startups** and as founder of indie hacker projects).

I'm really good at frontend apps that look & feel like desktop (web, electron, chrome extensions). Can make backend & CI to build & test from ground though.

90s speedrun video cv over my 14 years experience: [https://youtu.be/T4NBv\\_8wYPs](https://youtu.be/T4NBv_8wYPs) (frontend part only)

## Impressive accomplishment

- 👤 Browser for work [meetsidekick.com](https://meetsidekick.com), (1st engineer)
  - 🏆 #1 Product of the Day on Product Hunt (2020, Sidekick Browser).
  - 🏆 #1 Product of the Week on Product Hunt (2020, Sidekick Browser).
- 👤 Music app [seesu.me](https://seesu.me) (founder, hobby project; combines last.fm, soundcloud.com, hypem.com, discogs.com, etc)
  - 🏆 Tizen App Challenge - 2014
  - 🏆 Chrome Apps contest of Google technology User Group - 2010
  - 🏆 Opera Widgets Challenge - 2010
  - 👤 Prototype of integration with apps platform utorrent (download & listen from torrents)
  - 👤 Prototype of electron app with webtorrents lib (listen stream from files inside torrent)
- 👤 Marathon visualization (Runners density graph along curve path)
- 😄 (Fun fact) I got \$50 amazon gift card from BitTorrent company. For unpurposely sharing know-how to play mp3/video inside IE6/IE7 engine. BitTorrent used that to monetize utorrent app (which has millions of users)
- ⚡ Found & highlighted memory leaks, suggest performance improvements to open source torrent protocol library
  - 🔗 [github.com/webtorrent/webtorrent/pull/382/files](https://github.com/webtorrent/webtorrent/pull/382/files)
  - 🔗 [github.com/webtorrent/webtorrent/issues/712#issuecomment-204273562](https://github.com/webtorrent/webtorrent/issues/712#issuecomment-204273562)
  - 🔗 [github.com/webtorrent/webtorrent/issues/115](https://github.com/webtorrent/webtorrent/issues/115)



# Experience

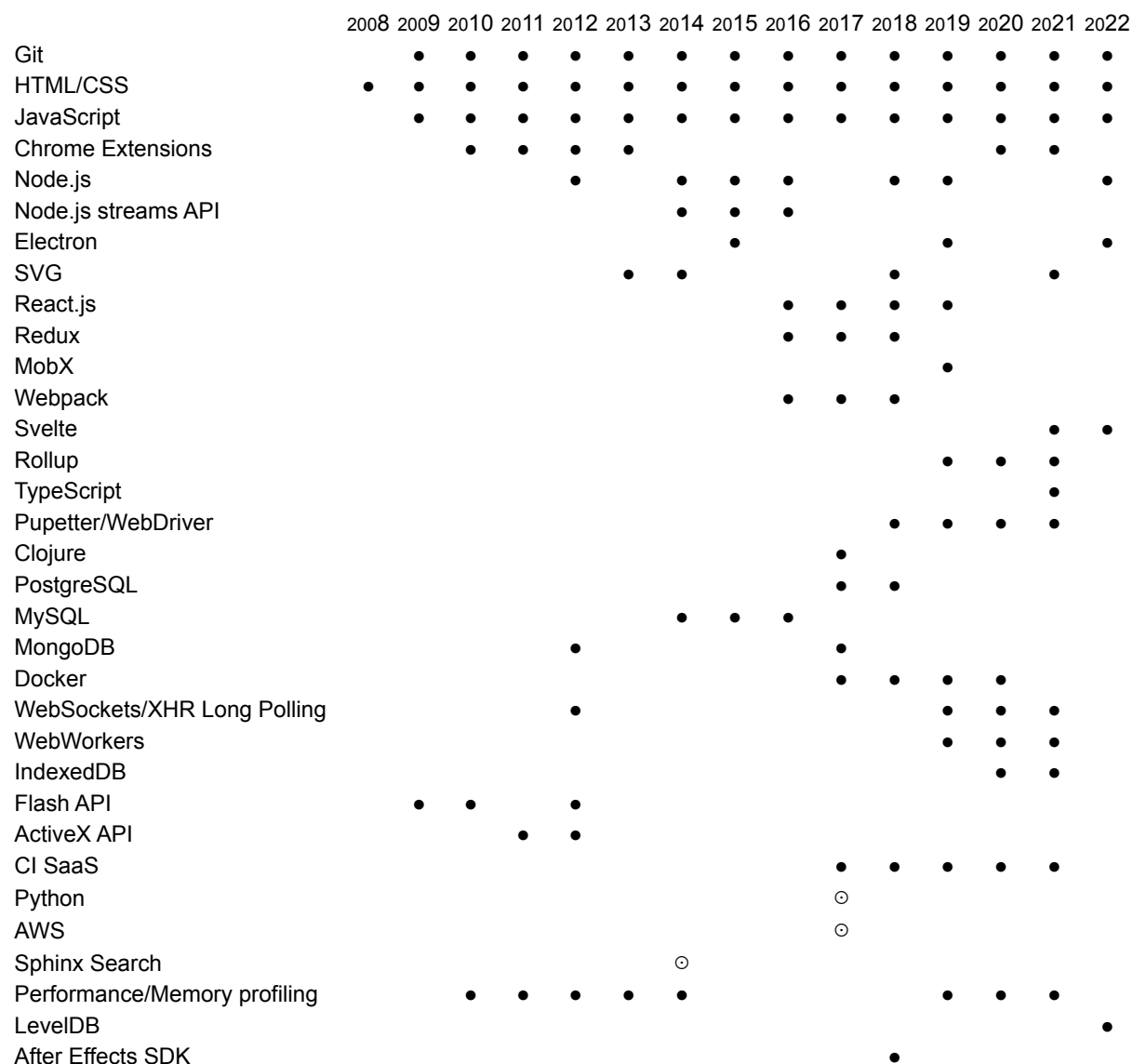
2022 Founder, Indie Hacker  
 2019 · 2021 Principal Engineer  
 2018 · 2019 Lead Developer  
 2018 Lead Frontend Developer / Backend Developer  
 2016 · 2018 Frontend Developer / Backend Developer  
 2014 · 2016 Lead Node.js Developer  
 2013 Frontend Developer  
 2011 · 2012 Frontend Developer  
 2010 · 2011 Frontend Developer  
 2009 · 2010 Junior Frontend Developer  
 2008 Junior Frontend Developer

Linkkraft  
 Sidekick Browser  
 Leroy Merlin  
 Motion Tailor  
 Trucker Path  
 EuroChem  
 Datalaboratory  
 Mamba  
 Masterhost  
 Thematic Media  
 Exigen Services StarSoft

## My public talks on conferences

- FrontendConf 2015, Declarative goal setting programming approach, [youtube.com/watch?v=vjMqtRG\\_cV8](https://youtube.com/watch?v=vjMqtRG_cV8)
- HighLoad++ 2012, Browser comet connections multiplexing library (javascript, localStorage) [youtube.com/watch?v=5TEaxF9KP9A](https://youtube.com/watch?v=5TEaxF9KP9A)

## Tech



# Notable tech applying and limitations bypassing to make product

## Linkkraft, Browser to be effective researcher & collector

History tree visualization

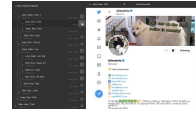
Offline snapshots

State persistence

2d Canvas, Electron API (as input)

Electron Content Scripts, Chrome Dev Tools Protocol

LevelDB to save in-memory graph to disk



## Sidekick, Browser for work

Performance of early prototype (fork of Electron app)

CI to build & test Electron app

Quick migration from Electron app to Chrome Extension (As part of moving from Electron to own Chrome fork)

CI to build & test Chrome extension

History text search (Chrome history is not suited for Sidekick case)

Documents detection & global search

Adblocker

Live Sync for team workspace

Redesign architecture to

1. Use Electron Main/Render process & code separation
2. Use BrowserView instead of <webview>

Have prepared architecture

Chrome Extensions API, IndexedDB, Web Worker, performance profiling

Extensions API Content Scripts, JSON with declaration, messaging, IndexedDB

Chrome Extensions API, RegExp

Web Sockets (Pusher.js), Web Worker



## TruckerPath, most popular map app for truckers

Payment info receiving automation

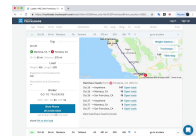
Lint Clojure code (CI)

Backup PostgreSQL (CI)

Clojure/PostgreSQL. Bolt webhooks, Salesforce API

Python

Python, AWS



## Seesu

Play music inside Opera Widgets / Chrome extensions sandbox (No HTML5 audio, flash limitation)

Background playback & live sync for popup. (Popup is alive only when open)

Fast rendering of Chrome Extensions popup (Limitations: Popup is alive only when open; when React is not created yet)

Allow to stream/play music from torrents

Flash API, iframe messaging

State separation, message incremental changes of in-memory graph to popup, performance profiling

Transform incremental changes of graph state to DOM atomic changes, performance profiling

Btdigg.com, Electron, WebTorrents library, Node.js streams (pipe stream of file inside torrent from node.js part of electron to http request/response stream so chrome part of electron can play it)



## EuroChem

Provide near live updates for reporting system. Replace heavy (run once in day) SQL view by incremental updates

Fast download for big dumps of data

Node.js, MySQL. Hooks & dependency tracking inside proprietary MySQL driver. So, as soon someone commits changes to DB, we can track what dependency we should update & update it. Without need to rebuild whole report. (Hasura.io, but in 2015)

Node.js. Stream response of request (to Oracle db) to excel stream generating lib. User downloads file as soon as data received from DB.

## Marathon visualization

Show dynamic of marathon in time

JavaScript, SVG, performance profiling



## Mamba

Provide live updates; Save costs for expensive live connections. (Limitations: IE still a thing, Shared Web workers is not stable yet at that time)

Lib to share 1 long polling XHR across multiple tabs. Flash API,

## Linkkraft, Browser to be effective researcher & collector

Go to Home & Search

leve. leve. / Twit. ☆ Live Document

Andr. Kash.: http. t  
twitter.com anrak...94272

leve. leve. / Twit.  
twitter.com levelsio

Twee. like. / Twit.  
twitter.com andre...likes

Andr. Klin. / Twit.  
twitter.com andre...inger

Andr. Klin.: This is  
twitter.com andre...46434

Anas. Opar.: I ve  
twitter.com anast...35969

Loul. Mant.. on Twit.  
twitter.com Mantl...10368

Niki Tons.: Read. for  
twitter.com nikit...92514

MDS on: I miss  
twitter.com mda/s...83745

Niki Tons.: Ok thre.  
twitter.com nikit...04098

Niki Tons. / Twit.  
twitter.com nikit...onsky

Niki Tons.: Look  
twitter.com nikit...76136

Twee. like. / Twit.  
twitter.com YodaP...likes

Gleb Ares. / Twit.  
twitter.com YodaPunk

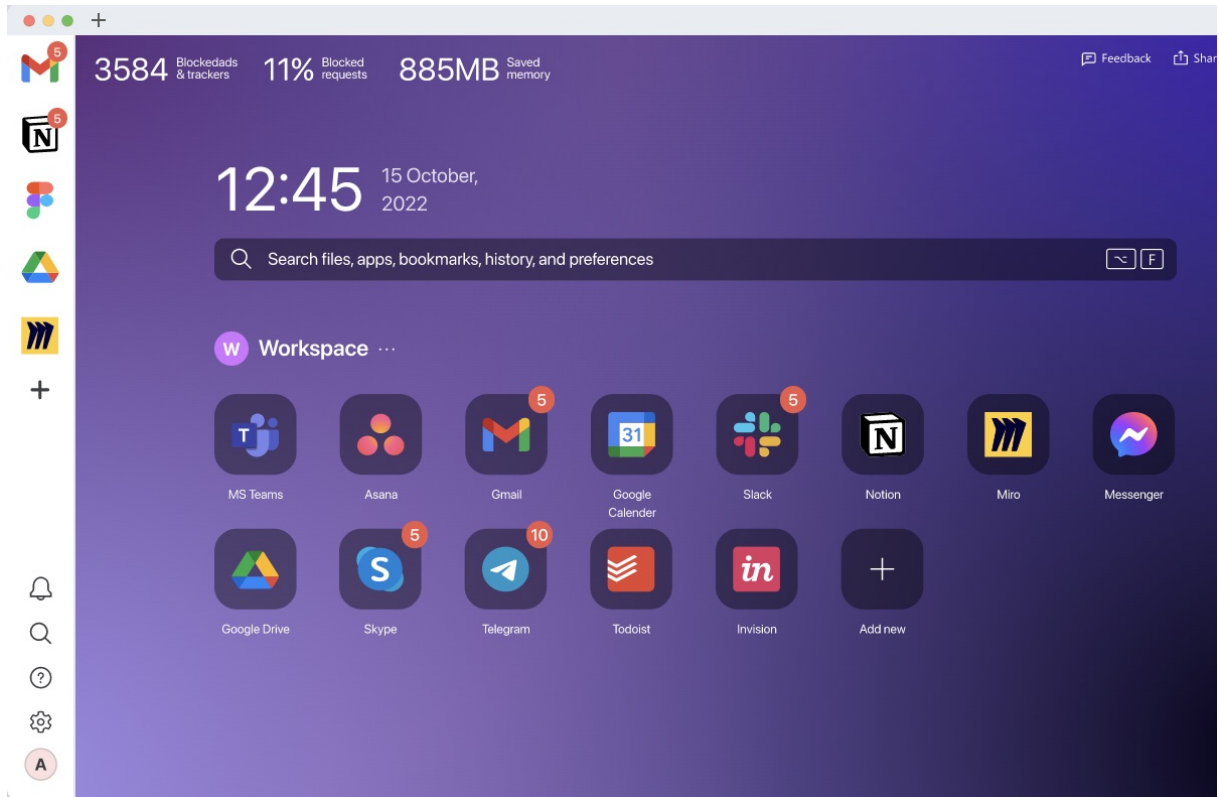
@levelsio  
@levelsio

Indie solopreneur

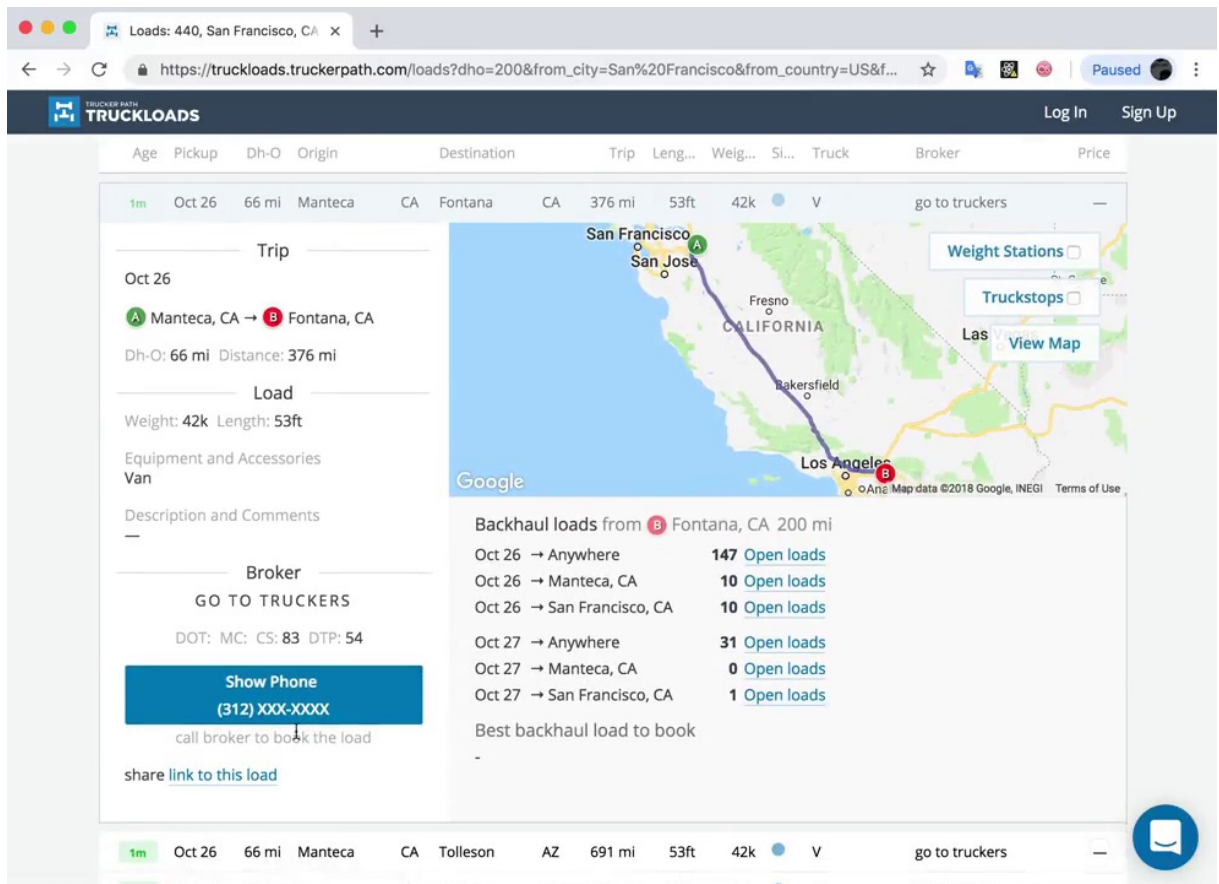
NomadList.com  
RemoteOK.com  
AsyncOK.com  
reBase.co  
HoodMaps.com  
ideasAI.com  
InflationChart.com  
readMAKE.com

© \$2.8M \$3M/y (+66%/y), 15M MAU, 207M, 99.95% up, margin 86%, RO jobs 489/m, NL signups 418/m, MF ratio 48% F, meetups 36/m, rating 9.0  
Joined July 2013

## Sidekick, Browser for work



## TruckerPath Truckloads, Loadboard for truckers





**Su** Луч... Pixelord - Oh Lord - Submerge Remix

Pixelord Oh Lord (V.V.V. Remix)

Pixelord Quartz Boy

Pixelord Fish Touch

Pixelord I Don't Need This (Zac...)

Pixelord solving

Pixelord Footpork

Pixelord Cartoon Friend (Demo...)

Pixelord Kiwi Dream (Milyoo Re...)

Pixelord Vulvatron (SRC Remix)

Pixelord Oh Lord - Submerge R...

Pixelord Fish Touch (Busted by...)

Pixelord Boss Worm

Pixelord Zero One

Pixelord Kiss Your TV

Pixelord Flower Cannon

Pixelord

Pixelord Vulvatron (SRC Remix)

Pixelord Oh Lord - Submerge Remix

Pixelord Oh Lord (Submerge remix) vk 4:38 Файлы

карточка артиста **Тегу** electronic beats wonky glitch больше об артисте

Люди, слушавшие этот трек, выглядят примерно так:

Last.fm song fans

## Marathon visualization

