

Gleb Arestov, **Principal Frontend Engineer**
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Location: 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).

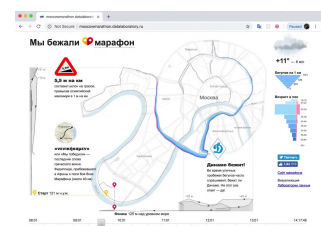
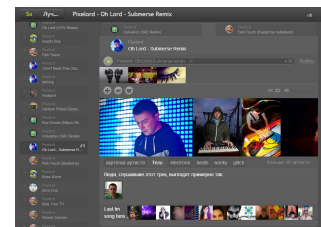
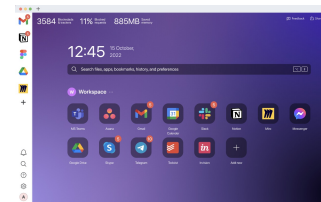
I'm really good at frontend apps that look & feel like desktop (web, electron, chrome extensions). Can make backend & CI to build & test from ground though.

90s speedrun video cv over my 14 years experience:

https://youtu.be/T4NBv_8wYPs (frontend part only)

Impressive accomplishment

- 👤 Browser for work 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 (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
 - 🔗 github.com/webtorrent/webtorrent/issues/712#issuecomment-204273562
 - 🔗 github.com/webtorrent/webtorrent/issues/115



Experience

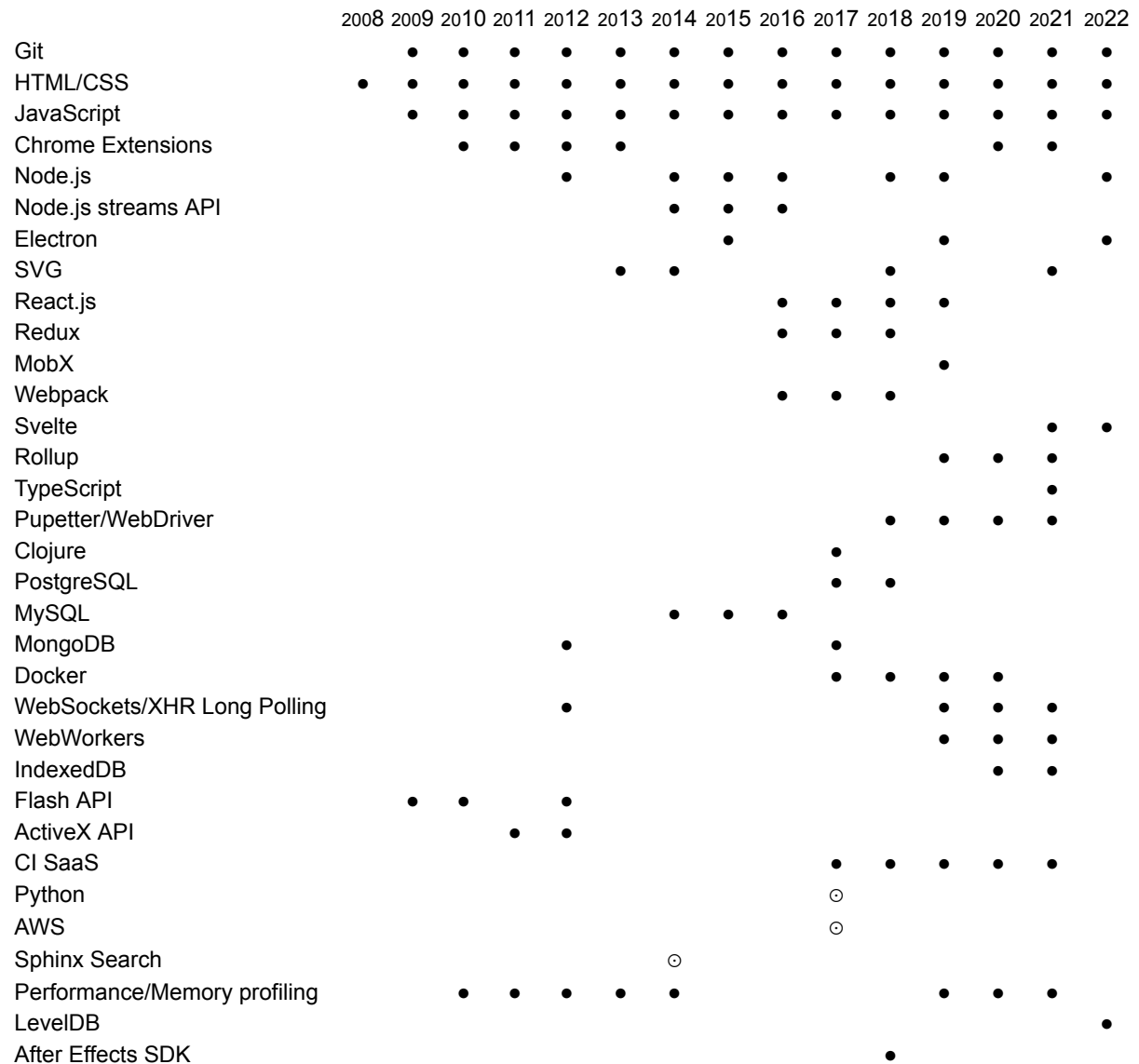
2022	Founder, Indie Hacker
2019 · 2021	Principal Engineer
2018 · 2019	Lead Developer
2018	Lead Frontend Developer / Backend Developer
2016 · 2018	Frontend Developer / Backend Developer
2014 · 2016	Lead Node.js Developer
2013	Frontend Developer
2011 · 2012	Frontend Developer
2010 · 2011	Frontend Developer
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
- HighLoad++ 2012, Browser comet connections multiplexing library (javascript, localStorage) 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

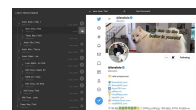
Offline snapshots

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)

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



CI to build & test Electron app

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

Have prepared architecture

CI to build & test Chrome extension

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

Chrome Extensions API, IndexedDB, Web Worker, performance profiling

Documents detection & global search

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

Adblocker

Chrome Extensions API, RegExp

Live Sync for team workspace

Web Sockets (Pusher.js), Web Worker

TruckerPath, most popular map app for truckers

Payment info receiving automation

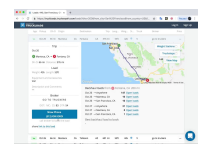
Clojure/PostgreSQL. Bolt webhooks, Salesforce API

Lint Clojure code (CI)

Python

Backup PostgreSQL (CI)

Python, AWS



Seesu

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

Flash API, iframe messaging

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

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

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

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

Allow to stream/play music from torrents

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

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)

Fast download for big dumps of data

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, localStorage, XHR

Linkkraft, Browser to be effective researcher & collector

The screenshot shows the Linkkraft browser interface. On the left, a sidebar lists various links, including "Andr. Kash.: http. t", "leve. leve./ Twit.", "Twee. like./ Twit.", "Andr. Klin./ Twit.", "Andr. Klin.: This is", "Anas. Opar.: I ve", "Loul. Mant.. on Twit.", "Niki Tons.: Read. for", "MDS on: I miss", "Niki Tons.: Ok thre.", "Niki Tons./ Twit.", "Niki Tons.: Look", "Twee. like./ Twit.", and "Gleb Ares./ Twit.". The main content area displays a tweet from @levelsio, featuring a video of a white dog with the text "you can do the ting! believ in yourslef". Below the video, the user's bio "Indie solopreneur" and a list of links (NomadList.com, RemoteOK.com, AsyncOK.com, reBase.co, HoodMaps.com, ideasAI.com, InflationChart.com, readMAKE.com) are visible. The tweet also includes statistics: "\$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", and "Joined Julv 2013".

Sidekick, Browser for work

The screenshot shows the Sidekick browser interface. At the top, it displays "3584 Blockedads & trackers", "11% Blocked requests", and "885MB Saved memory". The main area features a large clock showing "12:45" and the date "15 October, 2022". Below the clock is a search bar with the text "Search files, apps, bookmarks, history, and preferences". The interface is organized into a "Workspace" with various app icons, including MS Teams, Asana, Gmail, Google Calendar, Slack, Notion, Miro, Messenger, Google Drive, Skype, Telegram, Todoist, Invision, and an "Add new" button. The bottom of the screen shows a navigation bar with icons for home, search, settings, and a user profile.

TruckerPath Truckloads, Loadboard for truckers

Loads: 440, San Francisco, CA x +

https://truckloads.truckerpath.com/loads?dho=200&from_city=San%20Francisco&from_country=US&f...

Log In Sign Up

Age	Pickup	Dh-O	Origin	Destination	Trip	Leng...	Weig...	Sl...	Truck	Broker	Price	
1m	Oct 26	66 mi	Manteca	CA	Fontana	CA	376 mi	53ft	42k	V	go to truckers	—

Trip

Oct 26

A Manteca, CA → B Fontana, CA

Dh-O: 66 mi Distance: 376 mi

Load

Weight: 42k Length: 53ft

Equipment and Accessories
Van

Description and Comments

Broker

GO TO TRUCKERS

DOT: MC: CS: 83 DTP: 54

Show Phone
(312) XXX-XXXX

call broker to book the load

share [link to this load](#)

San Francisco

San Jose

Fresno

Los Angeles

Bakersfield

View Map

Google

Map data ©2018 Google, INEGI Terms of Use

Backhaul loads from B Fontana, CA 200 mi

Oct 26 → Anywhere	147 Open loads
Oct 26 → Manteca, CA	10 Open loads
Oct 26 → San Francisco, CA	10 Open loads
Oct 27 → Anywhere	31 Open loads
Oct 27 → Manteca, CA	0 Open loads
Oct 27 → San Francisco, CA	1 Open loads

Best backhaul load to book

1m	Oct 26	66 mi	Manteca	CA	Tolleson	AZ	691 mi	53ft	42k	V	go to truckers	—
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Seesu

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

Pixelord Oh Lord (VUV 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

