

# Dmitry Ivanov

## Frontend/Software Engineer

### Contact

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### About

I graduated with Master's degree in Computer Graphics at Baltic Technical University, Saint-Petersburg, and began my career as a freelance designer, later performed as web developer at events startup kudago.com. Subsequently I moved to Montreal where I worked as a frontend/web developer at TTBA/Amaze. Then I respecialized into WebGL and scientific graphics at Plotly Inc. Following roles are a Frontend Engineer at Mobeewave (later aquired by Apple) and now Brainfinance. My background blends technical expertise with creative design, making me a versatile professional in web development and computer graphics.

### Profiles

Githubdy

Twitterdmitryiv\_

### Work

**Brainfinance**2022-11-01 — now

brainfinance.com

Senior Frontend Engineer

Frontend and UI/UX tasks for Brainfinance - smart credit solutions, delivering user experience for web/mobile platforms.

#### Highlights

- Designed and developed earna.ca dashboard and landing page, desktop/mobile.
- Designed and developed earna.ca design system / UI framework.
- Implemented icash.ca landing frontend.
- Reimplemented icash contract process UI, resulting in increased user satisfaction.
- UI/UX improvements across mobile and web applications, enhancing the overall user experience.

**Mobeewave / Apple**2019-01-15 — 2022-10-01

linkedin.com/company/mobeewave/about

Software Engineer

Performed as frontend engineer at fintech startup Mobeewave, specialized on mobile point-of-sale solutions, later acquired by Apple Pay.

#### Highlights

- Developed Samsung Point of Sale web app, enabling secure mobile payments.
- Created a React/Redux-based acquirer portal app to streamline transaction processing.
- Designed and developed Spect - a frontend AOP framework.
- Built an admin portal app utilizing the spect framework for internal management.
- Developed a provisioning portal using AngularJS.
- Implemented Apple Wallet web push provisioning UI flow.
- Developed the frontend for the Apple Business Registry portal, enabling seamless integration.
- Designed and developed Apple payments portal to manage transactions and analytics.

- Designed and developed an Apple Pay Later widget, enhancing payment options for users.
- Developed a polyfill for the Template Instantiation web standard proposal.

## Plotly Inc

2016-09-01 — 2018-09-01

plot.ly

WebGL engineer

Plotly.js scientific graphing library.

### Highlights

- Performant webgl waveform renderer
- Testing tools for image comparisons
- Regl-based WebGL core components - scatter, line, splom
- Mobile version of plotly.js
- Scatterplot point clustering algorithm enabling 1B data points
- Lasso selection tool
- Stack-gl and regl contributions

## TTBA Group

2015-01-01 — 2016-08-13

ttbagroup.com

Web-developer

Web agency specializing in web-design, promotion and SMM.

### Highlights

- Design & frontend of shopsvelte.com, pegasie.com, coutureonly.com, socialboomwifi.com, citenova.com, wishbox.gift, ecobrandshow.ca
- Wishbox.gift website, design, preact-based core, integration with API
- Optimization amazemontreal.com for google page insights
- Redesign and optimization of ragemontreal.com
- Rage Academy - game score tracking app

## KudaGo Inc.

2012-03-01 — 2015-01-12

kudago.com

Frontend developer

Kudago is an agency and media covering cultural events in European countries.

### Highlights

- Design, UX, UI and IA of kudago.com
- Desktop and mobile kudago.com website
- <20kb of javascript in mobile website
- 100/100 in google page insights

## Freelance

2012-03-01 — 2014-03-01

Web-developer

Webdev freelance jobs - design mockups, UI prototyping, HTML, CSS, JS, wordpress.

### Highlights

- Design/markup for ipoteka-vam.ru, to-travel.ru, to-create.ru, tm-print.ru.
- Statistical dashboard for likemeter application
- boutiqueland.ru: mobile & desktop designs
- seemedia.ru: UI components kit
- Design / markup for rsua.ru, gildiya-masterov.ru, arkon-okna.ru, postavokna.ru, okonka.ru, jumpingclay.ru, aurama.ru, podsoblyayev.ru, biletron.ru, concertinfo.ru, ditspb.ru, rukasil.ru, voenmeh.ru, dverka.ru, sayhello.ru, zpapa.ru, productinsight.ru, smartmedia, legran doors
- GUI elements for application package "Pure Office"
- UI icons for mobile portal kilowap.ru
- UI icons for project gloricism.com
- Design / markup of book "Childhood", author Andreeva L.

- Design / markup of [www.le-gran.spb.ru](http://www.le-gran.spb.ru), JSC Masterskaya
- Creating radar 3d model for navy simulator, JSC Sistema
- Illustrating textbook of methods of hydrodynamics, BSTU Voenmeh

## Speech pro

2012-02-01 — 2012-03-01

[speechpro.com](http://speechpro.com)

Intern

Speech Technology Center is an enterprise specialising in speech recognition technologies. The position was held in marketing department, related to web-sites and promotion pages design.

### Highlights

- Creation of interactive guide for SpeechPro VoiceKey, using Adobe® Flash®
- Developing batch scripts in Visual Basic to handle massive Microsoft Office Excel data.
- Maintenance of [speechpro.com](http://speechpro.com).

## JSC Master

2007-09-01 — 2008-04-01

[macter.ru](http://macter.ru)

Copywriter

Writing articles on predefined topics, defining keywords, SEO-optimization.

### Highlights

- Thousands of SEO-optimized texts

## Volunteer

### Open-Source (Github)

2016-08-01 —

Contributor

Webgl-related components.

#### Highlights

- AudioJS: Stream-based audio processing components
- Stackgl: GLSL to JS compiler [glsl-transpiler](#)
- ColorJS: Color spaces conversions [color-space.js](#)
- SciJS: Performant FFT implementation
- Audio-Vis: WebGL-based audio visualizers: spectrum, spectrogram, waveform

### Web Being

2016-08-01 —

Web-developer

Websites for friends & good people

#### Highlights

- Design & frontend of Lidia Varbanova's personal website [lidiavarbanova.com](http://lidiavarbanova.com)
- Concept, design and website for MIRCA - Russian speaking / culture club
- Website design / development for transmission repair service - [proakpp.ru](http://proakpp.ru)

## Baltic State Technical University

2010-07-01 — 2011-01-01

Scientific research intern

Supporting local CRM.

### Highlights

- Pedagogical internship: technical drawing course.
- IT department website design & implementation
- Fixing natural language processing algorithm.
- Designing database reports.
- Creating illustrations for methodical books.
- A method of creating wall background in Adobe® Photoshop®
- An article: UX approach in product design
- An article: Drag-n-drop in web-applications
- Saint-Petersburg College of Naval Instrument-making: office tasks.

Education

<b>Baltic State Technical University “Voenmeh”</b>	2012-06-14
Information science and computers, intellectual systems	
Master	
<b>Baltic State Technical University “Voenmeh”</b>	2010-06-14
Information and computer science	
Bachelor	
<b>Saint-Petersburg College of Marine Instrumentation</b>	2002-09-01 — 2006-06-01
Automatic control systems	
Secondary professional education, technician	
<b>Baltic State Technical University “Voenmeh”</b>	2012-02-15
Economics and Management	
Specialist	

Skills

<b>Frontend</b>	<b>Design</b>
<ul style="list-style-type: none"><li>nextjs</li><li>typescript</li><li>react</li><li>SSR</li><li>vercel</li><li>github actions</li><li>preact</li><li>signals</li><li>vue</li><li>alpinejs</li><li>web-components</li><li>observable</li><li>rxjs</li><li>graph-ql</li><li>esbuild</li><li>webpack</li><li>rollup</li><li>esbuild</li><li>browserify</li><li>tailwind</li><li>material-ui</li><li>evergreen</li><li>semantic-ui</li><li>webgl</li><li>three-js</li><li>web-audio-api</li><li>jquery</li><li>liquid</li><li>nunjucks</li><li>eleventy</li><li>cypress</li><li>playwright</li><li>tape</li></ul>	<ul style="list-style-type: none"><li>UX</li><li>UI</li><li>IA</li><li>figma</li><li>sketch</li><li>Photoshop</li></ul> <b>Backend</b> <ul style="list-style-type: none"><li>nodejs</li><li>Python</li><li>Django</li><li>Mongo</li><li>Redis</li><li>SQL</li><li>nginx</li><li>apache</li></ul> <b>CMS</b> <ul style="list-style-type: none"><li>jeekyll</li><li>liquid</li><li>eleventy</li><li>github-pages</li><li>shopify</li><li>wordpress</li><li>drupal</li></ul>

Languages

<b>English</b> fluent	<b>Russian</b> native
<b>French</b> basic	

Interests

<b>Computer Science</b> <ul style="list-style-type: none"><li>WASM</li></ul>	<b>Bhakti Yoga</b> <ul style="list-style-type: none"><li>Meditation</li></ul>
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- DSP
  - AI
- Spirituality
  - Kirtan

# References

**Jordane Belanger**  
by request

**Matt Buyington**  
by request

**Mario Ramos**  
by request

**Alex Tsyrf**  
by request

**Alex Reverse**  
by request

**Sergey Poduzov**  
by request

**Alex Prokofiev**  
by request