

Nikita Agafonov

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Programming languages:

C++, JavaScript, glsl, hlsl.

Tech:

OpenGL/OpenGL ES, D3D12, browser tech (webgl, webrtc, canvas 2d, websockets, etc).

Experience:

[Open Science Tools](#) (dec 2021 - sep 2022 contract, sep2022 - now full time):

- [PsychoJS](#) developer and all things web developer. Lots of different work is done here, details can be discussed in person. (**pixi.js**, **webgl**, **electron**, **surveyJS**) ([github repo](#))

Contract based graphics/web programmer (dec 2021 - sep 2022):

- webgl graphics dev. (**three.js**, **pixi.js**, **webgl**)

Free roam (jan 2021 - dec 2021):

- Volumetric sky and clouds. Full planetary suit to render physically based sky and clouds (**opengl**, **glsl**) (available [here](#))
- DirectX12 exploration via small projects.

Vidina Solutions (remote contract work, nov 2020 - jan 2021):

- glsl shaders for planet atmosphere simulations (artistic), specifically - volumetric fog driven by fluid dynamics sim (**opengl**, **glsl**)

EPAM Saint Petersburg (2017 - 2019):

- Knowledge Map visualizer and related administration system (**three.js**, **vanillaJS**)
- CMS for TV broadcasting studios (**Angular 1.5**)
- Online shop. Brief position (2.5 months) (**vue.js**)

Self Employment, Gamedev (2016 - 2017):

- 2d space exploration game. Complete 2d game engine from scratch excluding renderer (**js**, **pixi.js**, **blender**) (available [here](#))

Orion Innovations (ex MERA) (2011 - 2016):

- Contact Center administration system. Startup of the project, knowledge transfer, business trip to Calgary, Canada (**C#**, **.net**, **jquery**)
- Cloud PBX administration system (**js**, **jquery**)
- Tool for bulk user update on remote system with no API (**C#**, **.net**)
- Presentation sharing app, mobile version (**js**, **jquery**)

- Very old PBX bugfix (**C, C++, proprietary language**)

Education:

Nizhny Novgorod State Technical University, MS computer science.

Natural Languages:

Russian (native)

English (B2+/C1 - estimated by EPAM)