

# I V A N   S E R G I I E N K O

## BRIEF SUMMARY

Javascript (frontend) developer with 7 years of experience.

Also I've got basic experience with backend (php, Java, Python) and DevOps.

4 years I worked for a big UK tech company (as a remote contractor).

I love Vim, Linux, git, clean code, top-down design, TDD, SOLID, KISS.

I feel passionate about working on innovative products.

People say I have good communication skills and attention to details.

I challenge decisions and status quo when I see a good reason to do so.

## EXPERIENCE SUMMARY

- 7 years of Frontend
- 3 years of React (TypeScript, Redux)
- 2 years of Angular v1.x
- 1 year of PHP
- A bit of Python, Java, NodeJS, Linux, bash, AWS, GitlabCI, Selenium, Docker

## MY PROJECTS

- NeuralNotes - a notes keeping app: <https://github.com/DarthVanger/NeuralNotes>
- JS Guitar synthesizer: <https://github.com/DarthVanger/guitar-synth-js>
- Simple PHP webshop: <https://github.com/DarthVanger/spyoptics.kiev.ua>

## My Articles

- Synthesizing sound with JavaScript - sine wave: <https://medium.com/@darthvanger/synthesize-sound-with-javascript-sine-wave-940f9cd7dae2>

My StackOverflow reputation - 1,053 (Ubuntu 351, Vim 341, Super User 141)

<http://stackoverflow.com/users/1657101/darthvanger>

## My (small) opensource contributions

- Sourcemap-codec bug fix: <https://github.com/Rich-Harris/sourcemap-codec/pull/76>
- Terraform Newrelic provider docs: <https://github.com/newrelic/terraform-provider-newrelic/pull/546>
- Victory Charts docs: <https://github.com/FormidableLabs/victory-docs/pull/632>

## EXPERIENCE IN DETAIL

Oct 2022 - Present: JS teacher

Teaching programming while looking for a job.

I taught a small group of 5 students (my friends and their friends) for a year (1 lesson a week). I have created a website with interactive tasks and experience points (gamification).

Apr 2022 - Oct 2022: Senior front-end developer - FreedomFi

FreedomFi provides software for 5G equipment in order to earn cryptocurrency by providing internet. <https://freedomfi.com>

*Tech stack:* React, NestJS, Playwright, Python.

Responsibilities and accomplishments:

- Made contributions to the UI of open source Magma 5G software
- Implemented playwright e2e tests for the UI
- Made fixes and improvements for a small Python server
- Implemented features for various small front-end and JS back-end apps

Mar 2021 - Apr 2022: Working on a pet project, taking courses, freelancing, taking a rest

- Completed a Machine Learning Course.  
*Tech stack:* Python, Numpy, Pandas, SciKit, PyTorch, NLTK, Google Colab, MobileNetV2, MNasNet.
- Freelance: refactoring and fixing a poorly written web app for fitness.  
*Tech stack:* React.
- Pet project: mind map / notes keeping app <https://neural-notes.com>  
*Tech stack:* React, Redux, Redux-saga, Material UI, Google Drive API.

Mar 2020 - Feb 2021: Senior front-end developer - Supply management system, UK grocery retailer

Supply management system allows to import a csv file with purchase orders, view them in a table with filters and modify orders. Data is gathered from 5 microservices.

*Tech stack:* React, Redux, TypeScript, Jest, Enzyme, Java, Spring, Spring Boot, GitlabCI, Terraform, Kibana, NewRelic

Responsibilities and accomplishments:

- Participated and facilitated technical discovery, task breakdown, security code review, knowledge sharing meetings.
- Implemented CI for monitoring configs for different environments using Terraform.
- Did code reviews, wrote unit tests
- Analysed page load performance issues.
- Analysed bugs digging through Kibana logs.

Sep 2018 - Mar 2020: Senior front-end developer - React UI library, UK grocery retailer

React UI library, providing components based on Bootstrap v4, for 20+ internal websites.

*Tech stack:* React, Bootstrap 4, TypeScript, SCSS, Lerna, Jest, Enzyme, semantic-release, GitlabCI.

Responsibilities and accomplishments:

- Participated and facilitated meetings to design architecture and plan implementation of the library.
- Gathered data on tech used by different teams, presented it to stakeholders.
- Participated in meetings with UX designers, reviewed UX requirements.
- Presented the library to the teams in UK, Barcelona, Krakow offices.
- Participated in UX team workshops.
- Created documentation with live examples and tutorials.

Dec 2016 - Sep 2018: Middle front-end developer - Vehicles fleet management system. UK grocery retailer.

Big admin panel (60 screens, 20k lines of code), which allows to create vehicles, add parts, defects, schedule service, generate pdf reports, and understand how many vehicles are available for each day.

*Tech stack:* Angular v1.x, Selenium, protractor, jasmine, chai-http, mocha, superagent, AWS, Ansible, GoCD, Kibana, New Relic.

Responsibilities and accomplishments:

- Refactored code according to best practices guide.
- Set up e2e tests, taught our QA to write the tests.
- Deployed Selenium grid on Docker to AWS using Ansible.
- Did presentation for the head of architecture on difficulties of using internal UI library with Angular.
- Implemented i18n, user roles, feature flags.

- Integrated with internal SSO.
- Implemented REST API tests using chai-http, mocha, superagent.
- Created Angular components to comply with the internal design system.

Sep 2015 - Dec 2016: DataArt. Vacancies & Candidates management system

Candidate management system provides a table of candidates with many filters, and a few inputs to edit the candidate info.

*Tech stack:* Backbone, Marionette, RequireJS.

Responsibilities and accomplishments:

- Investigated performance issues.
- Implemented new features and fixed bugs.
- Assisted with deployment issues for Microsoft Share Point.

Aug 2014 - Sep 2015: php & js developer - ISD Group. Social network for moms

Social network for moms "Svitmam" provides profile editor, feed, posts, likes and comments.

*Tech stack:* require.js, gulp, nodeJS, php, mysql, redis

Responsibilities and accomplishments:

- Developed an algorithm to suggest related posts based on user activity.
- Refactored JS code to use Require.js.
- Implemented responsive design for main pages.
- Refactored poorly-written PHP code.

2010 Summer: Server at Moody Gardens - Galveston Island, Texas, USA

## EDUCATION

Kyiv Polytechnic Institute: 3 years of Applied physics (Institute of physics and technology)  
+ 3 years of printing and publishing.

Courses:

- Programming methodology - Stanford cs106a (Youtube)
- Internet History, Technology, and Security - University of Michigan (Coursera)
- Algorithms basics
- Machine learning
- Bitcoin and Cryptocurrency Technologies - Princeton University (Coursera)
- Java web development

## LANGUAGES

English - Upper Intermediate (around 8/10, both spoken and written).

I've been working for 2 years with UK teams remotely, speaking English every day.

## CONTACT

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linkedin: <https://www.linkedin.com/in/ivan-sergiienko-76494b73>

## PERSONAL INFO

Age: 32 years

Residence: Kyiv, Ukraine