

# I V A N   S E R G I E N K O

## BRIEF SUMMARY

Javascript (frontend) developer with 4 years experience.

Also 1 year of php + js.

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

## EXPERIENCE SUMMARY

- 0.5 years React
- 2.5 years AngularJS (v1.x)
- 0.5 year Backbone + Marionette + RequireJS
- A bit of NodeJS, Linux, bash, AWS, CI, Selenium
- 1 year PHP + JS

## SKILLS

Worked quite a lot with:

- AngularJS, Backbone, Marionette, RequireJS, jQuery, Bootstrap, gulp, npm.
- Vim, git, Ubuntu (as user).

Had some experience with:

- less, scss, css
- Unit testing: Jasmine, Karma, Jest, Enzyme
- e2e UI testing: Protractor (Selenium Webdriver JS).
- NodeJS: express (basics), fs, yargs, winston (logger).
- PHP: Symphony2, Laravel, CodeIgniter, composer.
- DB: Mysql, Postgres, Redis.
- CI: GoCD, GitlabCI
- Cloud: AWS ec2, Elastic Beanstalk, S3, RDS
- Linux: bash, ssh, curl, grep, sed, cut, tar
- e2e REST API testing: chai-http, mocha, superagent.

## CODE & PROJECTS EXAMPLES

Code examples (4 years old, before I signed NDA. But still not that bad :)

- Pure old JS, with unit tests: <https://github.com/DarthVanger/FifteenPuzzle/tree/master/web/frontend/app/js>

- Design (UML): <https://github.com/DarthVanger/FifteenPuzzle/wiki>
- AngularJS + NodeJS express. <https://github.com/DarthVanger/cash-machine>
- PHP simple webshop:  
<https://github.com/DarthVanger/spyoptics.kiev.ua>

My work examples (4 years old, before I signed NDA. But still not that bad :)

- <http://darthvanger.0fees.net/fifteen-puzzle/web> - Fifteen puzzle game
- <http://spyoptics.kiev.ua> - Tiny eShop on PHP and jQuery
- <http://moi-privivki.com/calendar/step2#birth=5/date=2018-01-01> - interactive calendar for vaccinations

## EDUCATION

3 years in Kiev Polytechnic Institute, Applied physics.

Stanford programming methodology course (15 hours of lectures on youtube).

Java web development live course (100 hours in a classroom).

Internet History, Technology, and Security on Coursera (12 hours) <https://www.coursera.org/account/accomplishments/certificate/7AK4SUG6QVHU>

## LANGUAGES

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

## CONTACT & PROFILES

tel. +380930780138

email: [darthvanger@gmail.com](mailto:darthvanger@gmail.com)

github: <https://github.com/DarthVanger>

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

linkedin: <https://ua.linkedin.com/pub/ivan-sergiienko/73/94b/764>

skype: darthvanger

## PERSONAL INFO

Age: 27 years

Residence: Kiev, Ukraine

## EXPERIENCE IN DETAIL

Aug 2018 - Feb 2019. UI library (for React) based on Bootstrap 4.

About the project:

Set of React components based on Bootstrap 4 and other libs with a mission to provide consistent look & feel for 15 web apps belonging to one "suite".

Tech stack:

- React 16, Bootstrap 4, TypeScript, SCSS.
- Lerna, BackstopJS, Jest, Enzyme, Webpack, Babel.
- GitlabCI, Docker, Snyk, Alpine Linux, Chromium-browser.
- ESLint, React-StyleGuidist (docs engine).

Worked on:

- Developing React components
- Implementing scss styles to match designs
- Writing unit tests
- Installing documentation engine
- Writing documentation and usage examples
- Reviewing merge requests
- Discussing components roadmap and functionality with UX & dev teams
- Reviewing UX guidelines for components usage
- Debugging GitlabCI + Docker builds

2016 - Aug 2018. Vehicles fleet management system.

About the project:

- AngularJS + angular-ui-bootstrap. 60 screens. 20,000 lines of JS.
- Data tables (filter, pagination, sort), CRUD for numerous entities.
- i18n; SSO; user roles; feature flags.

Tech Stack:

- AngularJS, gulp, npm.
- Java (Spring), Tomcat, Postgres, Redis
- AWS Elastic Beanstalk, S3; GoCD, Kibana, New Relic.

Worked on:

- Mostly refactoring & support frontend; gulp build setup; some unit tests (karma + jasmine).
- e2e Selenium tests setup & specs (protractor + jasmine).
- e2e REST API tests (chai-http, mocha, superagent)
- NodeJS express server with mocks for a few REST endpoints

- Selenium Grid on Docker (Ansible → AWS ec2).
- Documentation (Gitlab wiki in markdown, around 20 pages)
- Support:
  - Monitoring, alerts, logs, charts: Kibana, New Relic
  - CI: GoCD, bash, Nexus (deploy to 6 environments)
  - AWS: Elastic Beanstalk, Postgres, Redis, S3.

## 2015. Vacancies & Candidates management system.

About the project:

- Backbone + Marionette + RequireJS.
- One page with a long list of candidates and lots of buttons.

Tech Stack:

- Backbone, Marionette, RequireJS, gulp
- .NET, MS SharePoint, TFS, IIS

Worked on:

- Adding features, fixing bugs, refactoring
- Improve performance: investigation (Chrome dev tools), kill zombie views, concat html files, reduce redraw/repaint.
- Migrate from pure Backbone to Marionette.
- Refactor gulpfile.

## 2015. Skills quiz game.

About the project:

- AngularJS + d3.js.
- Website where users can take quizzes on programming languages to earn points and badges.

Tech Stack:

- AngularJS, d3.js
- .NET MVC, TFS, IIS

Worked on:

- Developing PoC version of the app
- Developing screens and routing logic: quiz start, win/lose, user stats
- Developing Admin section: screens for creating questions and answer options; questions stats etc

- Developing a few d3.js components: skills tree, animated circle progress bars, etc

2014-2015: php & js developer at isd-group.com - digital advertising production company

Projects:

1. Social network for moms <http://svitmam.ua>.  
Technologies used: require.js, gulp, redis, nodeJS, mysql, php.  
Worked on:
  - (a) Embedding require.js and refactoring all js to make it work with require.js.
  - (b) Embedding gulp for css & js minification, concatenation, image lossless compression.
  - (c) Developing online users tracking with php + redis.
  - (d) Developing algorithm to track posts viewed within a session, in order to build posts relation graph, using php, mysql, redis.
  - (e) Fixing bugs in nodeJS based messenger.
  - (f) Refactoring php code and fixing bugs.
2. Interactive vaccination calendar <http://moi-privivki.com/calendar/step2#birth=5/date=2018-01-01>.  
Technologies used: Laravel, backbone.js, require.js, twitter bootstrap, less.  
Worked on:
  - (a) Displaying and reading data from interactive calendar (using backbone.js), which has months and years columns floating around on user click.
  - (b) Writing responsive html and styles based on bootstrap.
3. Facebook web application generating a card and posting it to the timeline.  
Worked on:
  - (a) Generating images collage based on user choices, using php gd library.
  - (b) Using facebook API to get friends, tag friends, and post to timeline.
4. Fifteen puzzle javascript game <http://darthvanger.0fees.net/fifteen-puzzle/web> (was a test task to get the job:).  
Technologies used: Symphony2, jasmine + karma for testing.  
The class diagram and code can be found at <https://github.com/DarthVanger/FifteenPuzzle/wiki>

2012-2014: writing websites on my own

I wrote around 8 websites from scratch, mostly using CodeIgniter php framework.

Projects:

1. Interactive AngularJS app for calculating optical constants of thin films  
Technologies used: Symphony2, AngularJS, flot.js (plotting tool), handsontable.js

(editable table), MathJax.js (js TeX interpreter).

Code: <https://github.com/DarthVanger/SwanepoelMethod>

Worked on:

- (a) Given a data set, finding extrema, building interpolation curves.
  - (b) Developing UI to edit points on plot, edit data in tables.
  - (c) Building linear regression, finding standard deviation, averages.
2. Tiny eShop <http://spyoptics.kiev.ua>

Technologies used: CodeIgniter.

Code: <https://github.com/DarthVanger/spyoptics.kiev.ua>