

I V A N S E R G I E N K O

BRIEF SUMMARY

Javascript (frontend) developer with 3 years experience.

Also 1 year of php + js.

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

EXPERIENCE SUMMARY

- 1 year PHP + JS
- 0.5 year Backbone + Marionette + RequireJS
- 2.5 years AngularJS
- A bit of NodeJS, Linux, bash, AWS, CI, Selenium

SKILLS

Worked quite a lot with:

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

Had some experience with:

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

Scratched the surface of:

- React, webpack, ES6, babel
- Angular2, TypeScript
- Docker, Ansible, GitlabCI
- Java, Spring, maven, Nexus
- Apache (httpd), Tomcat, sendmail
- ArchLinux, Xorg, openbox

CODE & PROJECTS EXAMPLES

Code examples

(4 years old, before I signed NDA... But still clean! :)

- 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. Sorry for jQuery, I was a newbie: <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).

LANGUAGES

English - Upper Intermediate (around 7/10, both spoken and written).

CONTACT & PROFILES

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PERSONAL INFO

Age: 27 years

Residence: Kiev

EXPERIENCE IN DETAIL (A LONG BORING READ)

2016-present. Vehicles fleet management system. JS dev

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, 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. JS dev

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. JS dev

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>