IVAN SERGIENKO

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

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

`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 $\rightarrow$ 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 quizes 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