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

Brief Summary

I want to switch from Frontend to Machine Learning.
I've recently completed an ML course (Hillel IT school):
https://certificate.ithillel.ua/view/28203443

I feel passionate about innovation, AI, robots, IoT, big data, etc.
Frontend has become too boring for me :)
I want to do real stuff, real programming :)

I've got 7 years of experience in web development, mostly frontend.
Also I've got some experience with backend (php, Java) 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.
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

- 6 years of Frontend
- 1 year of PHP
- A bit of Bash, Linux, AWS, GitlabCI, Docker, Java, NodeJS
- Python - used in the ML course (Numpy, Pandas, SciKit, NLTK, PyTorch, Google Colab, MobileNetV2, MNasNet)

My Articles

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

My projects

- NeuralNotes - a notes keeping app: https://github.com/DarthVanger/NeuralNotes
- JS Guitar synthesizer (zero dependencies): https://github.com/DarthVanger/guitar-synth-js
- FFmpeg cut and merge (bash): https://github.com/DarthVanger/ffmpeg-cut-and-merge

My StackOverflow reputation - 843 (Ubuntu 341, Vim 301, Super User 131)

- My profile: https://stackexchange.com/users/1823670/darthvanger?tab=accounts

- ML answer (4 upvotes): https://stackoverflow.com/a/70230342/1657101
- Python answer: https://stackoverflow.com/a/70552540/1657101

`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

`Mar 2021 - present:  freelance, pet projects, courses, chillinng :)`

`Mar 2020 - Feb 2021:  One of the biggest UK online grocery retailers.  Web UI for supply chain management`

Working with frontend and backend, participating in technical discoveries for upcoming features, code reviews, security code reviews.
- React, Redux, TypeScript, Jest, Enzyme - 100% unit test coverage
- Java, Spring, Spring Boot, GitlabCI, Terraform, Kibana, NewRelic

`2018 - Mar 2020:  One of the biggest UK online grocery retailers.  React UI library`

Developing a library of UI components with documentation, tutorials and tests.
Gathering and building requirements, working closely with the UX design team.
- React, Bootstrap 4, TypeScript, SCSS
- Lerna, Jest, Enzyme, GitlabCI, semantic-release

`2016-2018.  One of the biggest UK online grocery retailers.  Vehicles fleet management system`

Working on frontend of a big app (60 screens, 20k lines of Angular v1.x).
- Data tables (filter, pagination, sort), CRUD.
- i18n; SSO; user roles; feature flags.
- e2e Selenium tests (protractor + jasmine).
- e2e REST API tests (chai-http, mocha, superagent)
- Deploying Selenium grid on Docker using Ansible
- AWS Elastic Beanstalk, S3; GoCD, Kibana, New Relic.

`2015:  DataArt.  Vacancies & Candidates management system`

Working on UI (Backbone + Marionette + RequireJS).

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2014-2015:  ISD Group.  Social network for moms
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Working with PHP and JS for a social network.
- require.js, gulp, nodeJS
- php, mysql, redis
- Developed an algorithm to suggest related posts based on user activity

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

Kyiv Polytechnic Institute: 3 years of Applied physics (Institute of physics and technology)
+ 3 years of printing and publishing.
Courses:
- Machine learning (Hillel IT school)
- Algorithms basics (Projector school)
- Programming methodology - Standford cs106a (Youtube)
- Internet History, Technology, and Security - University of Michigan (Coursera)
- Bitcoin and Cryptocurrency Technologies - Princeton University (Coursera)
- Java web development (Epam school)

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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PERSONAL INFO

Age: 31 years
Residence: Yaremche, Ukraine