

# Anton Trofimenko

## Position

### **NodeJS Developer / Backend Developer**

I mostly have experience with these technologies and of course expect to be able to work with them:

### **Express.js, MongoDB, Next.js, PostgreSQL, Redis, TypeScript**

Interested in big projects with the ability to develop deep and advanced skills within them.

## Contacts

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Languages: Native Russian, Proficient Ukrainian, Intermediate English, public speaking

## Personal

Current location: Mariupol, Ukraine

Relocation: Kharkiv, Kyiv



## Education

Kharkiv National University of Radio Electronics 2007. Bachelor on faculty of computer technologies, software of automated systems.

Computer Academy ItStep 2007. Faculty of software development, network, and security.

## Workplaces

### **2020 — MOJAM — Backend developer.**

NodeJS, PWA, website builders, eCommerce.

### **2017-2020 — MobiDev Mariupol Office — Backend developer.**

Various NodeJS backend projects, JAMstack, Cordova cross-platform projects.

### **2014-2016 — MobiDev Chernivtsi Office — Cross-platform developer.**

Various PHP backend and (Android, iOS, Windows UWP) Cordova cross-platform projects.

### **2012-2014 — MobiDev Mykolaiv Office — Cross-platform developer.**

Various PHP backend and (Android, iOS, Windows UWP) Cordova cross-platform projects.

### **2011-2012 — Guru Dev — Web Developer.**

Various frontend and backend PHP projects. Shop API integrations. Buy & Sell domains, auto-registration of DNS through different API, hosting billing, etc. SEO and SEM.

### **2008-2011 - WMCenter - Web Developer at various frontend and Perl, C# .NET backend projects.**

Online payment solutions (PayPal, Perfect Money, PrivatBank Merchant API), terminal networks, SEO, SEM.

**2007-2008 — Brutka — Windows and Web Developer.**

Windows Qt, C# .NET, and PHP backend projects. Client-server applications.

## Achievements

I have experience as a teacher, and many times take a role as a mentor for junior developers.

Taught QA engineers to write tests in JMeter, Postman, Selenium. Move them away from monkey testing to automated testing.

Have fun syncing work between iOS, Android, and backend teams.

**"Integrated Guest Experience" and "Touchdine" internal software** - hotel management application for Android, iOS, Windows RT, and of course website version. Customizable application content from the server-side like hotel room reservation, food menu, taxi order, flight tickets sale, etc. Single server-side endpoint for one hotel or restaurant with multiple servers to mashup data exchange. Put together and sync websites, Android, iOS, Windows RT applications, and backend.

**Ebooks.com** — e-book reading application, part with parsing and manipulating HTML, epub, XML, etc. Reverse engineered epub markup behavior from other readers like Google Books, iBooks, Kindle to emulate the same visual experience. No cross-platform alternatives even today.

**IMS TILES** — help replace the legacy code of the whole project. Make it invisible to the user.

**HOELZLE** — upgrade Switzerland analog 1C: Accountancy synchronization between databases. Optimize client-server database synchronization. Recreate PouchDB where it is not available. Create an iOS / Android binary serialization format for syncing and caching product data to keep applications usable with weak European internet.

**Green Star Energy** — white label real-time progressive web application for sending meter readings, pay bills, upload and download statements, sending user push notifications on tariff changes. Everything in real-time via WebSockets. Write a proxy wrapper server over other REST API services to fix problems and inconsistencies for frontend developers. Kickstart development of white label services.

**Quicket travel services** — mashup servers for tickets, planes, boardings, apple wallet boarding passes. Build microservices in Docker containers using Portainer for multiple instances. IDE inside the browser for building airplane schemas. API to show SVG airplanes schemas inside browser iframe, Android, iOS, and of course full documentation for other developers. Singlehanded creates all those completely different parts.

## Community contributions

[understandings6ua](#) — Ukrainian translation of “Understanding ES6” by Nicholas C. Zakas. Translation of the module chapter vocabulary additions.

[RAD.JS](#) — contribution to framework growth though time.

[YouTube: The philosophy of the conversation with the REST API server](#)

## Open-source contributions

All my projects were under NDA. Maybe you will be interested in my open-source projects on GitHub.

[vicis.js.org](#) — Presentation and transformation layer for data output in RESTful APIs.

[consono.js.org](#) — The most correct, informative, appealing, and configurable variable

inspector for Node.js

[of.js.org](https://www.npmjs.com/package/of.js) — Promise wrapper with some sugar

[publish-subscribe.js.org](https://www.npmjs.com/package/publish-subscribe.js) — JavaScript implementation of the Publish-Subscribe pattern.

[All other repositories](#)

## Technical experience

This list does not mean deep knowledge of these technologies (many of which are no longer relevant). The list gives an idea of what I had to work with.

**Backend:** GraphQL, REST API, WebSockets.

**Continuous Integration:** Travis.

**Cross-Platform:** Cordova/Phonegap, Electron.

**Databases:** MariaDB, MySQL, PostgreSQL, Redis.

**Design:** Adobe Illustrator, Adobe Photoshop, Zeplin.

**DevOps:** Docker, Jenkins (v1), PM2, Portainer, RabbitMQ.

**JamStack:** Gridsome, Nuxt.JS.

**JavaScript core:** Chai, ES6+, Jest, Lerna, LoDash + FP, Mocha, NPM, Rollup, TypeScript, Webpack, Yarn.

**JavaScript backend:** Express, KeystoneJS, Koa, NestJS, NuxtJS, Strapi.

**JavaScript frontend:** Backbone.js, RAD.JS, Vue.

**JavaScript other:** Accelerated Mobile Pages, Progressive Web Apps, WebComponents, cheerio, puppeteer.

**Markup:** BEM notation, Bootstrap, CSS3, HTML5, Markdown, Sass + Compass.

**PHP:** FuelPHP, Laravel, Swoole.

**Testing:** JMeter, Postman, Swagger.

**Version Control:** Git, GitHub, GitLab.

**WebServer:** Apache HTTP Server, Nginx.

## Professional experience

Understanding concepts of functional programming, design patterns.

Basic knowledge in frontend Angular 1, Vue 2, Material Design.

Have previous experience with Python 2, Go 1.

Basics of dev-ops (build systems, formatting and linting tools, deployment, etc).

Build systems for JavaScript: Webpack, Rollup (custom plugins, project demands).

Experience with REST API: mocking, fixtures, testing, complex data output.

Have experience in creating cross-platform applications for Android, iOS, Windows, Windows RT (Cordova / Electron).

Have experience with WebSockets in real-time applications.

Have experience with server security: Server XSS, SQL injection, access control caveats, data exposure.

Testing using XDebug (PHP), Jest, Mocha, Chai for JavaScript.

Little DevOps experience with microservices with Docker and Portainer.

Ok with Unix-based, Linux, Shell scripting (sh, bash, zsh, fish), Git.

Worked a lot with online payments (PayPal, Perfect Money, WebMoney, PrivatBank Merchant).