

Ilia Andrienko

Sr. JavaScript developer

Personal

Born in 1990, coding since school

Specialist degree in engineering, Kharkiv National University of Radio Electronics (KNURE), Biomedical Devices (2007-2014)

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Summary

- 10+ years of web development experience in teams of different scale and projects of various complexity. Writing JS for 8 years. Using React since 2015.
- Experience in both front-end and back-end development. Understanding of common workflows, patterns and architectures, code quality requirements. Experience working with micro-service architecture.
- Web-interfaces development expertise, native JS, ES6 and Typescript, CSS with/without preprocessors, build and integration systems, variety of frameworks and new trends. Some background in UI/UX design and computer graphics programming. Experience in back-end JS development and web sockets.
- Experience in PHP development, knowledge of its frameworks and CMS.
- Quick learner, high level of professional responsibility, self-dependent, creative and result-oriented. I easily adjust to code conventions on a project.
- Upper-intermediate English.

I use

Main: TypeScript, React (MobX, Redux, Hooks) (Preact/Inferno), Lodash, RX

More JS: Vue, Angular(s), Ember, jQuery, Backbone, Modernizr, Next.js, D3, Three.js, Phaser, Pixi

Markup: ARIA/WCAG, CSS (LESS/SCSS), Bootstrap/Foundation

JS tools: Webpack, Rollup, Gulp, Plop

Back-end: PHP (see below), NodeJS (Nest, Express)

Native: Electron, React Native, Ionic

Databases: SQL (MySQL, MSSQL, PostgreSQL) and NoSQL (Mongo, CouchDB, Redis)

PHP: Laravel, Symfony, WordPress

Software: WebStorm, VSCode, Git, Jira, Jenkins, Docker, Photoshop

Tests: Jest, Mocha, Chai, Jasmine, Enzyme, Puppeteer, Cypress

OS: Windows, Debian and RHEL, OSX

Employment

- AltexSoft, Lead JS Developer 2019-2020, February
- Brightgrove, Ltd. (brightgrove.com), Sr. UI Developer 2018-2019, December
- DataArt Solutions, Inc. (dataart.com), Software Developer 2013-2018, August
- Contract work, Webmaster, PHP Developer, UI Designer 2009-2013, November

Notable projects (latest first)

Aginity Pro

Tags: Desktop, Electron, TypeScript, MobX, React

Aginity Pro is an IDE for SQL with analytic capabilities, with back-end written in Java and Electron for front-end. I established the electron application architecture and entire front-end pipeline for the project. For first couple months I have been the only front-end developer on the project, then the project grew and became the main focus for the company.

Written in typescript, the application uses React for UI and MobX for data store.

As a part of team of 5 front-end developers, my responsibility was creating new features and components for the project and optimizing the application performance for Windows and OSX.

Aginity Enterprise

Tags: Enterprise, Web, Big data, React, Redux, sagas

Aginity Enterprise allows business analysts to encapsulate and use data analytics as assets.

Written in JS and FlowType-flavored, the application utilizes Redux for state management and React for UI.

Working as a part of front-end team I have implemented several new features and updated existing ones.

Social network client

Tags: Social Network, Web, real-time, React, Socket.io

A specific social network communication client. My role was designing implementing the real-time chat client as a part of a team of two front-end developers, a webmaster, a back-end developer and a designer.

The chat was based on Socket.io backend with front-end part written in React. The front-end state management was powered by MobX, everything was written using ES6 and FlowType.

The system was built in compliance with requirements to the code quality provided by a customer. The code was covered by unit tests.

Payment system communication layer/CRM

Tags: FinTech, Back-end, PHP

The project was developing an interaction layer between back-end and front-end of a bank payments system using PHP. Developed using Laravel, the website served as REST API for front-end application. Also, there was a content and user management built into the application.

Key requirement was system's compliance with security protocols and standards.

My role was maintaining modules of back-end application, adding new REST API methods for front-end application and writing API tests.

Marketing CRM system

Tags: CRM, Server, Web, NodeJS, React, SendGrid, MongoDB, WordPress, APIs

The system to provide current and potential customers all information required about compliance and product features, letting them subscribe to information about various activities. Key requirements were deep integration with external REST API's, building own API, storing user data and performing a variety of scheduled tasks.

My role was developing a theme for WordPress, writing React frontend and Express frontend, using JWT for authorization.

Ticket selling website

Tags: Marketing, Web, Angular, .NET core, markup

The system that allows people to find and purchase flights. The back-end was written on .NET and one of tasks was supporting a part of its code. My role was maintaining the Angular 2 code, adding new features and making sure the whole system is secure. Also, I made the website WCAG2-compliant.

As a part of development, I have prepared a set of technical documents describing the system behavior and maintenance process.

Security Audit CRM

Tags: CRM, Web, React, D3, APIs, LESS

The CRM for tracking user requests and enquiries, collecting feedback and statistics and subscribing to informational services for US-based security audit company.

My role in this project was, de-facto, technical lead - after the system grew big I have taken part in selecting and interviewing developers for further project support. Also, I have mentored a new front-end developer we hired for this project.

For couple months I have been leading the team of three front-end developers and a full-stack developer, forming and prioritizing the tasks.

I implemented the front-end functionality of the CRM, including markup and data visualization functionality.

Intra web CRM

Tags: CRM, Web, Angular, .NET, APIs, LESS

The CRM for accounting and resource management, targeting both employees and customers. Key features were: tracking various activities on website; providing users the information about flats available for rent on hourly and daily basis and the conditions of such rent; the possibility to put their own adverts with photos of the place, the location using map API, the contact data. Also, it has the possibility of various interaction between users.

I implemented the basic front-end functionality of the CRM, including turning a bunch of PSD templates into a cross-browser markup.

Medical documentation workflow software

Tags: Healthcare, Web, Server, Java EE, Angular 1

The software, that allows users to store, view and maintain various data, in compliance with national standards. As a part of a team, my responsibility was maintaining and updating the system front-end and back-end code, implementing new functionality based on mock-ups provided by a client.

Informational services subscription service

Tags: Marketing, Web, Angular 2, APIs, SCSS

The website that allowed users to register and subscribe for informational digests matching their interests. The development involved creating a multi-part interactive form that allowed users to enter their interests and specify their needs, and then pay for subscription.

My work was to implement the mockups as a markup and implement all the front-end functionality, including authorization, form-building, social network and payment gateway integration.

Discount Information Service

Tags: Marketing, Web, JS, Modernizr

The project goal was to develop a website capable of parsing price data among various online stores selling clothes, checking prices changing and informing customers about discounts, with the possibility of import-export of XLS files defining criteria for that import.

As a part of a team, my responsibility was developing the front-end part using the layout mockups the client provided, paying attention to making sure everything will work even in “zombie” browsers.

Daily Basis Flat Landing Website

Tags: Real Estate, Web, JavaScript, HTML

A project for a Ukrainian startup company. The website is providing users with the information about flats available for rent on hourly and daily basis and the conditions of such rent, as well as the possibility to put their own adverts with photos of the place, the location using map API, the contact data. Also, it gives the option of various interaction between users.

My task was redesigning the user interface and implementing it in markup, using JS and HTML. After the redesign, the flow of users highly increased with overall quality of service.