Ilia Andrienko

JavaScript developer

Personal

I was born in 1990. I write code for living since my school years. Also, programming is my main hobby and my main passion, my entire adult life. Received my engineering degree in 2014.

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Summary

- 15+ years of web development experience in teams of different scale and projects of various complexity. Using React since 2015. Used ORP before it was cool.

- Web-interfaces development expertise, ES6 and Typescript, build and integration systems, variety of frameworks, new trends and old tricks. In my free time I play with canvas.

- Experience with UI/UX design and some experience in computer graphics programming.

- Understanding of common workflows, patterns and architectural approaches, code quality requirements. Experience working with micro-service architectures.

- Experience in full-stack development, with focus on front-end.

- Background in PHP development, knowledge of its frameworks and CMSes. WordPress expertise. Experience in back-end JS development with web sockets. Experience in microservice architectures and domain-driven design. Experience working with databases.

- A quick learner, responsive and self-dependent, creative and result-oriented. I easily adjust to code conventions on a project and adopt new tools. I prefer quality over quantity.

- I love to do CSS, to work with canvas ant to reinvent some wheels when required. I prefer strict linter rules and love to refactor/re-structure things.

- I respect the ECMA spec and I love the anarchy that is JavaScript. I never hesitate to set up my build tools and setting things up won't scare me

- Upper-intermediate English. I also speak Ukrainian and Russian.

Employment

Sr. Front-end developer — **AppStream - contract work**   *2024-present*

Sr. Front-end developer — **SimBaze**   *2020 - June 2024*

Lead JS developer — **AltexSoft**   *2019 - February 2020*

Sr. UI Developer — **Brightgrove**   *2018 - December 2019*

PHP Developer, Front-End developer — **DataArt Solutions, Inc.**   *2013 - August 2018*

PHP, Front-End, UI/UX — **contract work**   *2009 - November 2013*

Tools and keywords

Main: ES6, TypeScript, React, MobX

Current: React, Next, Tailwind, Zustand, Zod, Tanstack Query

Markup: ARIA/WCAG, CSS, LESS, SCSS, Tailwind, Material, Bootstrap, Foundation

State: Zustand, MobX, Redux, Hooks, HookForms, Signals

Libs: Preact, Vue, Angular(s), Ember, Mithril, Svelte, Next.js, Zod

More Libs: jQuery, Lodash, Backbone, RX, Modernizr

Vis: D3, Three.JS, Phaser, Pixi, p5, GLSL

Styles: Tailwind, LESS, CSS, SCSS, ARIA, WCAG

Toolset: Webpack, Rollup, Gulp, Vite, Plop, Docker, Rush, Bazel

Node: NestJS, Express, Next SSR, Meteor

PHP: Laravel, Wordpress, Symfony

Native: Electron, Tauri, React Native, Ionic, .NET WinForms

Databases: MySQL, Postgres, SQLite, Mongo, CouchDB, Redis

Software: VSCode, WebStorm, Git, Jira, Photoshop

Tests: Jest, Jasmine, Mocha, Puppeteer, Cypress, Playwright

OS: OSX, Windows, Debian, RHEL, Nix

I read: Bash, C, C#, Java, Rust, ELM, LUA, Erlang, Zig

Digital advertisement platform

Tags: React, signals, react-hook-form, Zod, Bazel

An online platform for digital advertisement management from one of the leaders of Swiss media market. I worked as a part of dedicated team developing new features for the product, integrating third-party services and constantly improving our front-end. To me, the project provided a high degree of freedom and opportunity to contribute to its toolset, its approaches and its performance.

SQL IDE app

Tags: Desktop, Electron, TypeScript, MobX, React

An IDE for SQL with analytic capabilities, with Electron frontend and Java back-end. I developed the first version of the app, established the architecture and front-end pipeline. The project later grew up from an MVP phase and became the main focus for the company.

Written in typescript, the application used 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, ensuring its stable work for both OSX and Windows.

Data analytics platform

Tags: Enterprise, Web, Big data, Flowtype, React, redux-saga

The software platform allowing data analysts to create, share, discover and reuse data analytics as assets.

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

Working as a part of front-end team I have my responsibility was implementing new features and supporting existing ones.

Social networking client

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

A specific social network communication client. My role was designing and implementing the real-time chat client as a part of a five-developer team. 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 code was covered by unit and e2e tests. Targeted at the asian market, the system was built in compliance with the standards and requirements provided by the customer.

Payment system communication layer/CRM

Tags: FinTech, Back-end, PHP

The project was developing an interface layer between micro-services driven 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 (BFF). Also, there was a content and user management built into the application. Key requirement was system's compliance with security protocols and standards of the country it was developed for. 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, REST

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 BFF interacting with microservices and JWT for authorization.

Ticket selling webapp

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, integrated with email and SMS gateway services.

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.

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