Tyom Semonov

Frontend Developer

A passionate web developer with over 15 years of professional experience in building websites and applications for the Web to be used on various devices. Progressively enhanced and built on web standards with best practices.

Curious and always eager to learn and experiment. With attention to detail, code maintainability and performance under different conditions and range of devices. Cross-skilled but focused and an advocate of data-driven, user-centred and accessible design.

Core skills

- JavaScript
- CSS, PostCSS, Sass
- Node.js
- Webpack, Rollup
- Express, Polka
- React, Preact
- HTML5
- Accessibility
- Git, GitHub
- Photoshop, Illustrator, Sketch

Current focus

- Functional programming
- Node.js, Microservices, API
- React, Preact, Redux
- Vue.js
- Svelte

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EXPERIENCE

February 2019 - September 2019 (7 months)

Schibsted/Adevinta

Senior Frontend Developer CONTRACTOR

I worked in a team responsible for research and development of features used by online marketplaces around the world for various platforms. Such as suggestions by similarity or personal relevance.

I was hired as a sole frontend developer in the team to build a web SDK which used backend services developed by the rest of the group. It needed to provide a customisable UI for the marketplaces to use on their sites. I evaluated several options and advised on using Preact for UI layer while separating the core business logic to a separate package. The SDK contained several packages: core, UI and Web Components.

The SDK, being technology-agnostic, was designed to be used with any stack and distributed in several ways: via a package manager and scripts stored in an S3 bucket (CDN). The SDK was extensively documented to help other developers to include it to their sites.

Challenges included: browser support (IE11+), file sizes, styling and customisation.

Technologies & tools

JavaScript (Preact, Storybook, Jest, TestCafe, Rollup, Node.js, Polka), Web Components, CSS, Sass, Git, GitHub, Travis CI, Docker, AWS

March 2018 - December 2018 (9 months)

Simba Sleep

Senior Frontend Developer CONTRACTOR

I was in a small team building a new shopping experience for a well-known mattress brand for stores in multiple regions.

Helped to maintain the existing e-commerce site providing critical performance improvements which resulted in better customer experience and improved retention. Continually supported junior developers and helped learn and apply best practices in web development with pairing and knowledge sharing sessions. Helped to design and develop tools and processes to improve developers experience and business operation.

Technologies & tools

Shopify, JavaScript (Vue.js, Nuxt.js, Jest, Webpack, Node.js, Express), CSS, PostCSS, Git, GitHub, CircleCI, now.sh, Docker, AWS, Kubernetes

January 2018 - March 2018 (2 months)

Tesco

Senior Developer CONTRACTOR

I worked in One Account team working on new features of user account management at testco.com. While supporting the existing software and helping to transition to modern architecture.

Technologies & tools

JavaScript (React, Redux, GraphQL, Jest, Webpack), Sass, Git

October 2017 - November 2017 (1 month)

BCG Digital Ventures

Senior Frontend Engineer CONTRACTOR

I worked in a team tasked with building an interactive dashboard with collaborative tools for a large cement producer. Shortly after I joined the team, the project was moved by the client in-house.

Technologies & tools

JavaScript (React, Redux, Jest, Webpack), CSS Modules, Git

May 2017 - October 2017 (5 months)

Department for International Trade (DIT)

Senior Frontend Developer CONTRACTOR

I worked in a medium-sized team, developing a sophisticated open-source CRM system in Node.js with Python backend. The frontend was built on GOV.UK design system with modularity in mind.

The application was built to support a wide range of browsers (with a requirement to support old browsers). These constraints led to interesting innovations to fulfil the user and business needs. I also contributed to the development of tools and processes used in the department.

Technologies & tools

JavaScript (Node.js, Express, Webpack, Mocha, Nightwatch.js, Nunjucks), Sass, Git

November 2016 - April 2017 (5 months)

NHS Digital

Senior Frontend Developer CONTRACTOR

Working in a team on the transformation of the NHS.UK. Created and maintained standard components library which documented and showed usage of components used to make various NHS.UK online services, such as beta.nhs.uk.

Technologies & tools

JavaScript (Node.js, Express, Webpack, Gulp, Mocha), Sass, Git, Fractal

July 2016 - November 2016 (4 months)

Barclays

Senior Frontend Developer CONTRACTOR

I worked on an internal tool for managing risks in the agile development of projects within the bank.

Responsible for ensuring that the application was meeting Barclays standards for accessibility and usability. I have introduced several frontend best practices to the team. Optimised and improved the maintainability of the frontend code and helped to improve release processes.

Technologies & tools

JavaScript (AngularJS, Webpack), Unit testing (Jasmine, Karma, Spock), CSS, Less, Git, Jenkins

December 2015 - June 2016 (6 months)

BBC

Senior JavaScript Application Developer CONTRACTOR

I worked in a small agile team responsible for launching the BBC Three online service.

Building universal BBC Three components in React and BBC Morph modules in Node.js. Using the BBC GEL design framework with a focus on reusability, unit/acceptance testing, performance and consistent cross-device/browser experience.

I designed and built several BBC Three specific features and helped with general improvements to performance and organisation of the codebase.

Technologies & tools

JavaScript (React, Node.js, Express, Gulp, Webpack), Unit testing (Mocha, skin-deep, WebDriver, BrowserStack, Galen Framework), CSS, PostCSS, Git, GitHub, Jenkins

September 2014 - December 2015 (1 year, 3 months)

UK Ministry of Justice

Developer CONTRACTOR

I was responsible for the frontend development and design of public service to check if one can get legal aid. Continuous development of functional prototypes used in rounds of user-testing to regularly test hypothesis and validate design decisions. Later maintained the call-centre counterpart application written in AngularJS.

Developed component libraries and generated service style guides. Built NPM packages to ease the exchange and development of assets and components across government websites and web applications.

Technologies & tools

JavaScript (Node.js, AngularJS, Nightwatch.js, PhantomJS, Gulp, Webpack), CSS, Sass, Ruby (Rails, Middleman), Python (Django, Flask, Jinja), Git, GitHub, Jenkins, Graphviz, Google Analytics, Sketch

For brevity only the last few years are shown here.
See more at tyom.semonov.com.