# Eugene Gluhotorenko

## Senior Software Engineer, Technical Lead

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## PROFILE

Solid software engineer with 10+ years of experience in delivering various web products. Expert in front-end with desktop and backend development background. Passionate about programming, data visualization and especially about building rich web apps. My spare time I spend on reading popular science books, sport, traveling and developing open source.

## SKILLS

JavaScript, TypeScript, React, React Native, Swift, MobX, Node.js, Jest, PixiJS, HTML, CSS, Git and a lot of other libraries and tools.

## EXPERIENCE

### Senior Software Engineer

EPO / SaM Solutions | From Jan 2021

`TypeScript` `React` `MobX` `Node.js` `BaseWeb`

- Porting monolithic app to micro-frontend architecture. Made the patent document viewer portable in order to provide access to the tool to other projects in the company.

- Rebuilding existing app features to provide better performance in rendering of content-heavy pages. Rewrote the annotation viewer from SVG to Canvas, which made it 4x times faster and allowed rendering thousands annotations.

- Documented and implemented best practices for the engineering team, which improved the code review process and performance of the application.

- Building an app for converting PDF documents into HTML and appropriate web viewer with annotating tooling.

- Conducted front-end interviews (JS, Browser Performance, CS).

### Software TechLead

CCDS / Nezaboodka | Oct 2019 → May 2020

`TypeScript` `React` `MobX` `Cornerstone.js` `Material-UI` `DICOM` `Scrum / Agile`

- Built a modern web-based Viewer that visualized output of AI Models. The Viewer enabled many research centers to efficiently validate and iteratively test their AI algorithms, and served as a reference implementation for the central viewer used by the Radiology Department at MGH/BWH. Technical challenges addressed: virtualization and fast

rendering of tens of thousands MRI images, compatibility with various medical standards (DICOM, DICOM-SEG, DICOM-SR)

- With a team of backend developers built from the scratch a web hub for loading, processing and viewing hundreds of medical studies which was successfully used by ML engineers.

- Have taken responsibilities for frontend provisioning in the company.

### Senior Software Engineer
MintData | Aug 2016 → Mar 2018

`TypeScript` `React` `MobX` `WebSocket` `MobX State Tree`

- Participated in building a low-code development platform (LCDP) for creating and delivering real-time web applications. The LCDP is made of a spreadsheet which is used to define application logic instead of code, a surface to define the visual appearance, and behavioral links between the two.

- Designed a GUI builder which provides possibilities to create modern web interfaces without experience in HTML and CSS.

- Implemented synchronization layer for real-time editing in the GUI builder across multiple devices.

- Helped the company to hire new engineers. Conducted technical interviews with potential candidates.

### Lead Software Developer
Nexus / CTDEV | Oct 2013 → Aug 2016

`JavaScript` `AngularJS` `Highchars` `D3.js` `Node.js` `Scrum / Agile`

- Participated in building and delivering fintech news portal based on modern custom recommendation engine.

- Designed variety of different data visualization libraries for rendering charts, graphs, maps.

- Developed custom gulp/grunt plugins for complex build system.

- Conducted technical interviews with potential candidates.

### Senior Software Engineer
SoftSwiss | Apr 2018 → Oct 2019

`TypeScript` `PixiJS` `WebGL` `React` `MobX` `Node.js` `styled-components` `Scrum / Agile`

- Developed a modern game engine for multi-platform 2D games.

- Did a lot of performance optimization for smooth animation in games on low-end mobile devices

- Writing server-side scripts for processing images and audio

- interviewed new front-end candidates

### Senior Software Developer

EPAM Systems | Dec 2010 → Sep 2013

`C#` `.NET` `jQuery` `Angular.JS` `Scrum / Agile`

- Participated in development of a platform for publishing financial apps.

- Developed web apps for the platform (time series data charts, market/exchange data viewers etc.).

- Built JavaScript API for third-party clients of the app.

## BLOG ARTICLES

- How styled-components works: A deep dive under the hood
  Aug 2018

## OPEN SOURCE

- Subtitle Translator Chrome Extension for fast subtitles translation on Netflix and other streaming services.

- Babbler A language switcher for macOS

- angular2-highcharts HighchartsJS wrapper for Angular projects.

## EDUCATION

**Belarusian University of Informatics and Radioelectronics**

B.Eng. | Computer Science, Network Systems