Sergey Todyshev

Full Stack Engineer

Sochi, Russia │ tsvbits.com │ github.com/sergeyt │ stodyshev@gmail.com

I'm a software engineer having unique experience in the past and having relevant experience now. Almost 20 years I am building digital products and tools with passion and still having fun doing this. And moreover I am still productive and do things proactively. I am simplifier and optimizer. Efficiency, readability and simplicity matters to me. Please learn more about me at https://tsvbits.com

WORK EXPERIENCE

T TURING.COM

Full Stack Engineer │ Oct 2020 - Present

TS typescript ⚛ ReactJS **JS** nodeJS mongodb **aws** aws

G GRAPECITY, INC.

Software Engineer │ Oct 2018 - Oct 2020

TS typescript **JS** nodeJS **R** rust ⚛ ReactJS **V** VueJS **A** Angular

XORED SOFTWARE INC

Tech Lead │ Mar 2016 - Jun 2018

In this amazing project I had tech lead and team lead duties, but 50% of time I was helping team with real coding. As the team lead, I led a team of 10-15 full-stack engineers doing code reviews and consulting on daily basis. As the tech lead, I had involved in finding efficient solutions especially to tackle customer-faced scalability issues. I had made initiatives for scalable development of huge frontend. I had direct communication with customers investigating and fixing incidents on production systems. I was the first point of contact with the product owner and management groups helping solving business problems using the full spectrum of technologies available and knowledge of the product capabilities. And eventually we have made one of the best Laboratory as a Service (LaaS) solutions available on the market.

Outcome:
I was grown a few senior developers who are now working in large software companies. As a tech lead, I've started several initiatives to make the product more scalable on the same hardware optimizing concurrent usage of PostgreSQL and other resources. I've touched almost all code repositories of all services and learned a lot of things. I had made a lot of contributions and practical suggestions.

Technologies:
Java 8, JavaScript, ES6, Golang, Python, PostgreSQL, ElasticSearch, OpenStack, Docker, ReactJS, Redux, Jest, Webpack, Babel

☕ java   JS javascript   ⚛ ReactJS   🐘 postgresql   🔍 elasticsearch   🐳 docker

D **DATAWORKS**

Full Stack Engineer │ Jun 2007 - Jan 2016

I was being a part of talanted dev team that working on development of ActiveReports Server platform and ActiveReports product lines. Here I've made a significant contribution optimizing the RDL report engine with dramatic boost in performance.

Here we even crafted a cross-compiler from .NET to AVM (Flash Player VM) bytecode just to implement multi-platform report viewer and this viewer was even popular in some countries :). I was primary author of this cross-compiler coding major part of it.

Technologies: .NET, C#, JavaScript, RDL, Reporting, Data Retrieving and Processing, Windows, IIS

c#   .net   javascript   asp.net   sqlite   winforms

PROJECTS

A **ACTIVEREPORTS**

Jan 2010 - Jan 2015

grapecity.com/en/activereports

The fast, complete .NET reporting solution

c#   .net   null

A **ACTIVEREPORTS SERVER**

Dec 2010 - Jan 1

grapecity.com/en/activereports-server

ActiveReports Server is a 100% Web-based, rich, self-service reporting solution, enabling business users to easily create interactive ad hoc reports.
Its browser-based ad hoc report designer, and secure, scalable storage, support multi-tenant reporting, and include a SDK for accelerating BI adoption much more effectively than traditional reporting tools.

c#   javascript   .net   asp.net   sqlite   winforms

V VELOCITY

TechLead | Jan 2016 - Jun 2018

spirent.com/products/velocity

It is amazing piece of software developed by distributed team of engineers across the globe.

It is called Velocity (https://www.spirent.com/products/velocity) and owned by Spirent.

It helps AT&T and other telecom monsters to manage their labs massively equipped by miscellaneous telecommunication devices.

While being employed by Xored I was part of talented team who doing major part of this system.

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java   javascript   ReactJS   postgresql   elasticsearch   docker

EDUCATION

INSTITUTE OF AUTOMATION AND ELECTROMETRY

Applied Mathematics | Dec 2001 - Dec 2006

Here as PhD student I've implemented hardware abstraction layer to manage multiple devices of Circle Laser Writing System created and designed by IAE. This module allows creation of multiple XML-based device configurations. It allows easily loading any configuration at runtime without recompilation of control program. This significantly reduced time and cost on testing all laboratory devices and debugging of control program on configurations with device emulators.

Keywords: C++, C#, Windows Driver Clients, Computed Aided Tomography, Software for Interferometer & Profilometer Devices

TECH STACK

.net core 2 years	**Angular** 1 years	**ReactJS** 5 years
VueJS 1 years	**aws** 1 years	**azure** 1 years
c# 10 years	**elasticsearch** 5 years	**gcp** 1 years
java 3 years	**javascript** 12 years	**mongodb** 5 years
postgresql 5 years	**python** 3 years	**rust** 1 years
spring 3 years	**sql server** 5 years	**sqlite** 10 years
typescript 5 years		