

# Sergey Todyshev



## Full Stack Engineer

Sochi, Russia | [tsvbits.com](https://tsvbits.com) | [github.com/sergeyt](https://github.com/sergeyt)

I am a software engineer with 20 years of professional experience. Relationships, efficiency, simplicity matters to me. You can learn more about me at <https://sergeyt.dev>

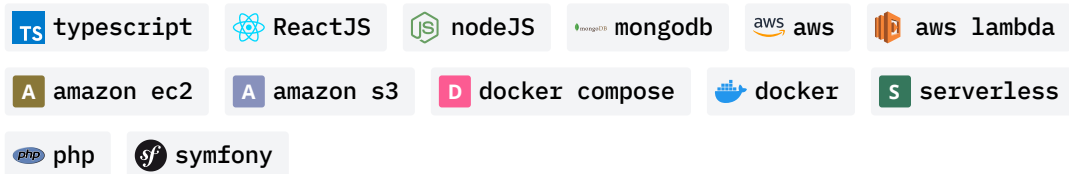
### WORK EXPERIENCE



#### REGIE.AI

Full Stack Engineer | Oct 2020 - Present

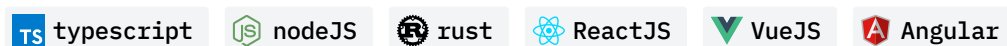
- Developing all microservices with CI/CD powered by AWS
- Using TypeScript, Python and PHP to make APIs
- Using ReactJS to build UIs



#### GRAPECITY, INC.

Software Engineer | Oct 2018 - Oct 2020

- Developed DataViewsJS product. Modernized tooling, improved architecture
- Implemented in Rust a prototype of highly efficient data processing engine compiled into WebAssembly

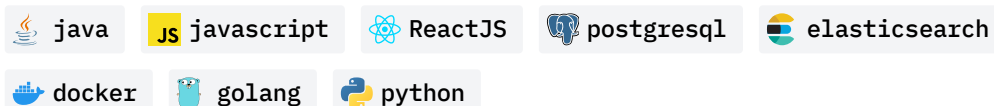




## XORED SOFTWARE INC

Tech Lead | Mar 2016 - Jun 2018

- Worked primarily on Spirent Velocity product with hands on many microservices implemented in Java 8
- Done in Golang a highly optimized Authentication proxy for authentication of different microservices
- Done in Golang a plugin for Caddy server to sniff the traffic going between different services to collect activities and send them into centralized monitoring system
- Implemented in Golang a service to efficiently parse and analyze log files collected on Velocity servers
- Using ReactJS to build UIs
- Improved architecture of huge frontend for scalable development
- Managed people and project, and led the team of 10+ engineers



## DATAWORKS

Full Stack Engineer | Jun 2007 - Jan 2016

- Worked primarily on ActiveReports and ActiveReports Server product lines
- Optimized RDL report engine
- Implemented in C# a cross-compiler from .NET to AVM bytecode. We use it to build rich report viewers for the Web



## PROJECTS

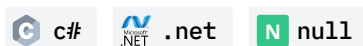


## ACTIVEREPORTS

Jan 2010 - Jan 2015

[grapecity.com/en/activerereports](http://grapecity.com/en/activerereports)

The fast, complete .NET reporting solution



# A

## ACTIVEREPORTS SERVER

Dec 2010 - Jan 1

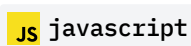
[grapecity.com/en/activerereports-server](http://grapecity.com/en/activerereports-server)

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.



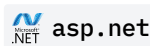
c#



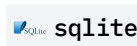
javascript



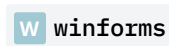
.net



asp.net



sqlite



winforms

# V

## VELOCITY

TechLead | Jan 2016 - Jun 2018

[spirent.com/products/velocity](http://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.

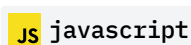
It helps AT&T and other telecom monsters to manage their labs massively equipped by miscellaneous telecommunication devices.

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

I had tech lead and team lead duties, but 50% of time helping team with real code. As the team lead, I led a team of 10-15 full-stack engineers doing code review 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 make more 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 LaaS (Laboratory as a Service) solutions.



java



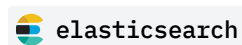
javascript



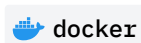
ReactJS



postgresql



elasticsearch



docker

## EDUCATION

### INSTITUTE OF AUTOMATION AND ELECTROMETRY



PhD (incomplete), Automated Control Systems | Dec 2001 - Jun 2007

- Implemented hardware abstraction layer and UIs which simplified development of automated control systems built at IAE













### NOVOSIBIRSK STATE UNIVERSITY

Specialist, FIT, Computer Science | Sep 1999 - Jul 2004

## TECH STACK

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

## PROGRAMMING LANGUAGES

 JavaScript	 HTML	 JSON	 TypeScript	 Go	 Python	 C#	 SCSS
 CSS	 F#	 CoffeeScript	 Shell				

## TECHNOLOGIES & LIBRARIES

