

# Aleksander Emelyanov

## Summary

- Software Engineer with 12+ years of experience.
- Open source maintainer and contributor.
- Launched a car-sharing startup in St. Petersburg in my spare time, while maintaining high productivity at my main job.
- I'm used to deliver features even if it requires bug fixes or new features in third party libraries.
- Top 1 student in first semester of Mail.ru Big Data Academy from 2020 recruitment.

## Job history

### Senior Software Engineer at Deep Learn Inc

Period	Jan 2017 - Present
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, Python, Celery, Terraform, Heroku, AWS, Kubernetes, Git
Job	<ul style="list-style-type: none"><li>• Designed and developed backend, API and management UI for cluster management system to run our AutoML payload + developed a couple of related microservices</li><li>• Added support of RabbitMQ to open source Keda scaler to implement autoscaling in our Kubernetes clusters</li><li>• Implemented integration test which detected tens of broken commits</li><li>• Optimized unit tests and made them 2x faster</li><li>• Completely fixed false negatives in UI tests by rewriting them from Capybara to Cypress</li><li>• Rewrote 10k CLOC Django project to Rails in 10 days and increased test coverage from 80% to 95%</li></ul>

### Lead Software Engineer at Digital Car

Period	Oct 2016 - Jan 2020
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, EventMachine, DigitalOcean, Ansible, Capistrano, Git
Job	<ul style="list-style-type: none"><li>• Designed, developed and supported a carsharing solution for colesa.com - carsharing in Saint Petersburg</li><li>• One-man project in a free-time, MVP serving real cars and customers was created in 2 months, whole system worked in production 3 years with tens of cars and hundreds of customers</li><li>• Car Server - event-machine based TCP server which collects telemetry and sends control commands to car-trackers</li><li>• Web Server - handles all business logic and provides APIs for client applications (Web and mobile apps)</li><li>• Admin Web UI - CRM for carsharing employees</li></ul>

### Senior Software Engineer at SPB TV

Period	Sep 2014 - Jan 2017
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, Docker, Ansible, Git
Job	<ul style="list-style-type: none"><li>• Designed and developed backend, API, and management UI for TV streaming platform (OTT middleware)</li><li>• Supported system in production</li><li>• Halved the average API response time with bunch of optimisations</li></ul>

## Software Developer at VIAcode

Period	Jul 2012 - Sep 2014
Stack	C#, ASP.Net MVC, MS SQL, MS System Center, Ruby, JavaScript, Ember.js, TFS
Job	<ul style="list-style-type: none"><li>• Participated in developing of MS SCOM management packs</li><li>• Extend SCOM with a bunch of cool widgets which were highly appreciated by the Microsoft employees</li></ul>

## Lead Software Developer at LLC "Technologii Avtomatizatsii"

Period	Jul 2009 - Jul 2012
Stack	C#, C++/CLI, MS SQL, SVN
Job	<ul style="list-style-type: none"><li>• Designed, developed, and supported an environmental monitoring system</li><li>• Wrote drivers for tens of different hardware devices for data acquisition</li><li>• Lead the small team</li></ul>

## Software Developer at Research Institute of Electronic production equipment and communication systems

Period	Jul 2008 - Jun 2009
Stack	Delphi, C++, SVN
Job	<ul style="list-style-type: none"><li>• Developed tools for internal usage and monitoring systems for an industrial production</li></ul>

### Key technologies:

- Languages: Ruby, Python, Go, C++
- Storages and queues: PostgreSQL, Redis, RabbitMQ, S3
- Deploy and automation: Linux, Docker, Kubernetes, Terraform, Vault, AWS
- Frontend: HTML, CSS, JavaScript, jQuery, React.js
- Basic ML: feature engineering, GBM

## Education

Period	2003 - 2008
University	Tomsk State University of Control Systems and Radioelectronics
Specialization	Design and Technology of Radio Electronic Tools
Degree work	Computer simulation system for microstrip lines for integrated microwave devices.

## Open source

### Author and maintainer of

- [https://github.com/holyketzer/activeadmin-ajax\\_filter](https://github.com/holyketzer/activeadmin-ajax_filter)
- [https://github.com/holyketzer/activeadmin-async\\_panel](https://github.com/holyketzer/activeadmin-async_panel)

### Most popular projects I contributed to

- <https://github.com/rails/rails>
- <https://github.com/kedacore/keda>
- <https://github.com/fission/fission>

## Hobbies

- Jogging & hiking
- DIY
- Music & books

## Links

- <https://github.com/holyketzer>
- <https://www.linkedin.com/in/aemelyanov86/>
- <https://www.kaggle.com/holyketzer>