

# Aleksander Emelyanov

## Profile

### Roles

- Software Engineer
- Backend Developer

### 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
- VCS: Git
- Basic ML: feature engineering, simple models, gradient boosting models

## Job history

### Software Engineer at Deep Learn Inc

Period	Jan 2017 - Present
Location	Remote
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, Python, Celery, Terraform, Heroku, AWS, Kubernetes, Git
Job	Designed and developed backend, API and management UI for cluster management system to run our AutoML payload + developed a couple of related microservices.

### Lead Software Engineer at Digital Car

Period	Oct 2016 - Jan 2020
Location	Saint Petersburg
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, EventMachine, DigitalOcean, Ansible, Capistrano, Git
Job	Designed, developed and supported a carsharing solution for colesa.com - carsharing in Saint Petersburg. One-man project in a free-time, MVP serving real cars and customers was created in 2 monthes, whole system worked in production 3 years with tens of cars and hundreeds of customers. Solution includes: <ul style="list-style-type: none"><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>

### Software Engineer at SPB TV

Period	Sep 2014 - Jan 2017
Location	Saint Petersburg
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, Docker, Ansible, Git
Job	Participated in design and developing of backend, API, and management UI for TV streaming platform (OTT middleware). Supported system in production, optimised code and DB design to work under load.

### Software Developer at VIAcode

Period	Jul 2012 - Sep 2014
Location	Saint Petersburg
Stack	C#, ASP.Net MVC, MS SQL, MS System Center, Ruby, JavaScript, Ember.js, TFS
Job	Participated in developing of MS SCOM management packs. Extend SCOM with a bunch of cool widgets which were highly appreciated by the Microsoft employees.

## Software Developer at LLC "Tekhnologii Avtomatizatsii"

Period	Jul 2009 - Jul 2012
Location	Saint Petersburg
Stack	C#, C++/CLI, MS SQL, SVN
Job	Designed, developed, and supported an environmental monitoring system. Wrote drivers for tens of different hardware devices for data acquisition. Lead the small team.

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

Period	Jul 2008 - Jun 2009
Location	Tomsk
Stack	Delphi, C++, SVN
Job	Developed tools for internal usage and monitoring systems for an industrial production.

## Education

Period	2003 - 2008
Institution	Tomsk State University of Control Systems and Radioelectronics
Faculty	Radio Design
Department	Department of Radio Electronic Technologies and Environmental Monitoring
Degree	Specialist
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)

### Contributed to

- <https://github.com/rails/rails>
- <https://github.com/kedacore/keda>
- <https://github.com/fission/fission>
- and more less known projects

## Hobbies

- Jogging & hiking
- DIY
- Music & books

## Links

- <https://www.linkedin.com/in/aemelyanov86/>
- <https://stackoverflow.com/users/898680/alexander>
- <https://www.kaggle.com/holyketzer>