Aleksander Emelyanov

Summary

- Senior Software Engineer with a rich experience in a wide range of technologies since 2008.

- Launched a car-sharing startup in St. Petersburg in my spare time, while maintaining high productivity at my main job.

- I'm used to delivering features even if it requires bug fixes or new features in third party libraries.

- Open source maintainer and contributor.

- Top 1 student in first semester of Mail.ru Big Data Academy from 2020 recruitment.

Key technologies:

- Languages: Ruby, Python, Go, C++

- Storages and queues: PostgreSQL, Redis, S3, RabbitMQ

- Deploy and automation: Linux, Docker, Kubernetes, Terraform, Vault, AWS

- Frontend: HTML, CSS, JavaScript, jQuery, React.js

- ML: Overview of models to work with text, image and audio data. Understanging of ML pipeline.

Job history

Senior Software Engineer at Workato

Period	Oct 2021 - Present
Stack	Ruby, Ruby on Rails, RSpec, Que, Sidekiq, PostgreSQL, Clickhouse, AWS, Kubernetes, Git
Job	- Mostly worked on scaling/performance tasks, Web API, new features and bug fixes - Decreased integration tests runtime from 50 minutes to 10 minutes - Introduced a cache for a recipe code which significantly decreased main DB load - Moved job background processing system from Que to Sidekiq which decreased main DB load - Fixed a bug with customer credentials leaking to debug tracing

Senior Software Engineer at Deep Learn Inc

Period	Jan 2017 - Oct 2021
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 - Added support of RabbitMQ to open source Keda scaler to implement autoscaling in our Kubernetes clusters - Implemented integration test which detected tens of broken commits - Optimised unit tests and made them 2x faster - Completely fixed false negatives in UI tests by rewriting them from Capybara to Cypress - Rewrote 10k CLOC Django project to Rails in 10 days and increased test coverage from 80% to 95%

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	- Designed, developed and supported a car-sharing solution for colesa.com - car-sharing in Saint Petersburg - 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 - Car Server - event-machine based TCP server which collects telemetry and sends control commands to car-trackers - Web Server - handles all business logic and provides APIs for client applications (Web and mobile apps) - Admin Web UI - CRM for car-sharing employees

Seniour Software Engineer at SPB TV

Period	Sep 2014 - Jan 2017
Stack	Ruby, Ruby on Rails, RSpec, Sidekiq, ActiveAdmin, PostgreSQL, Docker, Ansible, Git
Job	- Designed and developed backend, API, and management UI for TV streaming platform (OTT middleware) - Supported system in production - Halved the average API response time with bunch of optimisations

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	- Participated in developing of MS SCOM management packs - Extend SCOM with a bunch of cool widgets which were highly appreciated by the Microsoft employees

Lead Software Developer at LLC "Technologii Avtomatizatsii"

Period	Jul 2009 - Jul 2012
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
Stack	Delphi, C++, SVN
Job	Developed tools for internal usage and monitoring systems for an industrial production

Second degree

Period	2020 - 2021
University	Mail.ru Big Data Academy (National University of Science and Technology MISiS)
Specialization	Machine Learning Engineer
Degree work	Automation of defect detection on safety glasses

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-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