



# Semjon Molokanov

## Senior Software Developer

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## Summary

I am a software developer since 2008, started as a programmer of desktop applications for Windows and some years after that switched to web-development. My key areas of interest include design and development of scalable and high-load applications, effective and bug-free backend services, databases and their optimisation.

I do all my best to add value to a product and to support other team members. I am a self-motivated developer and able to solve complex problems on my own. I am striving to expand my professional expertise and skillset to keep up to date with technology.

## Stack of technologies

Ruby, Ruby on Rails, PostgreSQL, Amazon Redshift, Redis, Apache Spark, Kafka, Git, nginx, Unicorn, Puma, Docker, JavaScript, ReactJS, RSpec. Software architecture, agile development, TDD/BDD practices. UNIX.

## Experience

### Since 02.2018 Senior Software Developer, Klara GmbH, Germany

Secure messaging platform for healthcare industry. Ruby on Rails, React.

- Performance optimisations
- Security audit of a core application

### 11.2017 – 02.2018 Ruby Developer, Distribution, Germany

Bus tickets platform. Ruby, Kafka.

- Lead development of a low-latency service with GDS data
- Migration of a booking application from Sinatra to Rails 5.1

### 07.2015 – 11.2017 Senior Developer, Mynewsdesk, Germany

International PR and marketing platform. Ruby on Rails.

- REST API for frontend and inter-services communication
- Data analytics setup - aggregation of data from multiple sources, storage optimisation and integration of reporting tool (Apache Spark, AWS API Gateway and Kinesis, AWS Redshift)
- Vast contribution to the technical design and implementation for most of the project features implemented within my team

### **05.2014 – 04.2015 Web Developer, Freelance**

Trade platform for healthcare industry, mobile application API. Ruby on Rails, Grape.

- Integration with head office database and suppliers` applications
- Complex business logic for searching products in legacy database
- REST API for mobile application

### **07.2013 – 12.2014 Web Developer, Media Holding «Abak-Press», Ekaterinburg, Russia**

Web-based CRM system. Ruby on Rails.

- CRM system business logic, with focus on facilitating the work of managers
- Integration with other applications in IT department
- Click-to-call service based on Asterisk and WebSockets highly integrated to business processes
- Tools for reporting and data marts generation

### **01.2009 – 07.2013 Software Developer, SEO Specialist, Freelance and Off-Hour Work**

Various Internet projects development and management.

- Search engine optimisation of clients` and own Internet projects
- SEO and SMM consultancy

### **03.2008 – 02.2013 Software Developer, «ControlStyle» Ltd, Ekaterinburg, Russia**

Desktop applications for SEO specialists. Delphi.

- Market trends and needs analysis
- Applications' design and development: architecture, GUI, business logic
- Unit testing and technical documentation
- Users' technical support and consultancy

## **Languages**

**Russian** native

**English** proficient

**German** basic

## **Education**

### **2002 – 2008 THE URAL STATE UNIVERSITY NAMED AFTER A.M. GORKY, EKATERINBURG, RUSSIA**

Diploma in Physics

Education in the fields of solid state physics, low temperature physics and computer physics. Computer modelling of physical processes. Programming real time application.