*** Curriculum Vitae ***

<u>***Personal Information:***</u>

Full Name	Alexandr Ivanov
Birth date	04.01.1977
Work experience	10+ years
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Location	Moscow, Russia
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Code samples	https://github.com/sanami/code-samples

<u>***Qualifications Summary / Motivation***</u>

Use **Ruby** for web development (Ruby on Rails), command line tools/scripting. Do understand/use advanced Ruby features (metaprogramming, functional programming). Able to implement ordinary SQL based server side (MySQL, **PostgreSQL**) as well as NoSQL based solutions (**MongoDB**)

Use JavaScript/**CoffeeScript**/jQuery/**Backbone.js** for web frontend. See **Node.js** as next web platform. Experienced in modern style SPA ("Single" Page Application): Ruby on Rails backend + rich JS frontend (Backbone.js, Marionette.js) + websockets.

Use Linux(Ubuntu, CentOS, RHEL) for development and web servers deployment.

Software development with **C++** (10+ years of experience) for Windows/Linux. Cross-platform development with Qt framework.

<u>***Skills***</u>

Operating Systems	Windows / **Linux**
Programming languages	C/C++ Ruby JavaScript / CoffeeScript SQL Java (Android SDK) VBScript/Microsoft Office VBA
Databases	MySQL, PostgreSQL, SQLite MongoDB
Tools	RubyMine Microsoft Visual Studio Eclipse Unix/GNU tool chain, bash, vim, tmux, …
Team development	Git SVN; CVS; Microsoft SourceSafe
Libraries / Technologies	Qt framework 3 / 4 STL, boost; Win32 API; MFC, ATL/WTL; GDI, DirectX; COM/ActiveX controls, Microsoft Office Automation; databases (ODBC, OLE DB) XML, XQuery/XPath/XSLT; Sockets/networking; Multithreading; Regular expressions; UML; Design patterns;
Other	Agile (Scrum)

Web	Generic web development: Understand Web 2.0 / AJAX / OAuth; RESTful services; Scalability; Behavior/Test Driven Development
	Ruby: · Ruby on Rails 2, 3, 4 / Sinatra · Ruby Core/Standard library · Various Ruby gems/libraries
	JavaScript: · Node.js / npm / bower / grunt / packages · jQuery / jQueryUI / jQueryMobile / Bootstrap / plugins · Underscore.js / Backbone.js / Marionette.js / plugins · Various JS libraries
	Testing: RSpec, Cucumber, Jasmine, Mocha, Chai.js
	Deployment platform: any VPS, AWS/EC2/RDS/S3/OpsWorks, Heroku. Deployment tools: Capistrano, Nginx, Apache Web servers: Thin, Unicorn, Puma, Passenger
	Integration: Facebook, Twitter, Google+, Paypal, Stripe

Work Experience

Lead developer / Complete projects	**Project**: http://oncology-dev.herokuapp.com/ (doctor1@example.com / 12345678) **Project description**: Management system for hospitals and clinics specialized in Oncology (activity tracking, invoicing of costs to clinical trials promoters, ...) **Technologies**: Ruby on Rails, PostgreSQL, RSpec, Capybara, Devise, Globalize, HAML, SASS, Bootstrap, jQuery, Undercore.js
	Project: http://getinclusive.com **Project description**: E-learning platform for diversity and inclusion training **Technologies**: Ruby on Rails, PostgreSQL, RSpec, Capybara, Devise, DelayedJob CoffeeScript, HAML, SASS, Bootstrap, jQuery, Undercore.js, Backbone.js, Marionette.js, Jasmine
	Project: https://whiteboard7.com **Project description**: Multiuser Whiteboard SPA, frontend is JS driven (e.g. no page reloading), backend is a non-trivial Rails **Technologies**: Ruby on Rails, MySQL, Sqlite, Redis, RSpec, Capybara, Devise, Capistrano, DelayedJob, CoffeeScript, HAML, SASS, Bootstrap, jQuery, Undercore.js, Backbone.js, Marionette.js, Fabric.js, Mocha, Chai.js, Node.js, Grunt, Paypal, Stripe
	Project: http://edutainment7.com **Project description**: Marketplace for online video courses similar to udemy.com Video uploading / encoding with pandastream.com / S3 **Technologies**: Ruby on Rails, PostgreSQL, RSpec, Capybara, Devise, ActiveAdmin, Capistrano, CoffeeScript, HAML, SASS, Bootstrap, jQuery, jQueryUI, Undercore.js, Backbone.js, Marionette.js, Mocha, Chai.js, Bower
	Project: http://wearedotdotdot.com **Project description**: Platform to give young people access to local opportunities to learn digital skills and find work opportunities **Technologies**: Ruby on Rails, PostgreSQL, RSpec, Capybara, Devise, ActiveAdmin, Capistrano, CoffeeScript, HAML, SASS, Bootstrap, jQuery, Undercore.js
	Project: http://tieto-ams.herokuapp.com (ivanpale / 123456) **Project description**: The main purpose of the Audit Management System is to support planning, execution and follow up of internal and external audits and assessments in Tieto. **Technologies**: Ruby on Rails, MySQL, Capistrano JavaScript/CoffeeScript, HAML, SASS, jQuery, jQueryUI, Backbone.js RSpec, Cucumber, Continuous Integration

	Project: http://hipscout.co **Project description**: Fashion related MVP **Technologies**: Ruby on Rails, PostgreSQL, OmniAuth, RSpec, Capybara, Backbone.js, Marionette.js
	Project: http://rosvostok.ru **Project description**: News portal **Technologies**: Ruby on Rails, MongoDB, Devise, RSpec
	Project: http://e-ege.ru **Project description**: Online testing based on imported Moodle quizzes **Technologies**: Ruby on Rails, MySQL, Backbone.js, Devise, RSpec
	Project: http://f-map.ru **Project description**: Google Maps with MongoDB backend **Technologies**: Ruby on Rails, MongoDB, Backbone.js, RSpec
Partial projects	**Project**: http://ability.ge **Project description**: Ability.ge is a place for people to submit and view information about the accessibility of public places **Technologies**: Ruby on Rails, MySQL
	Project: http://videopage7.com **Project description**: Promotional video hosting **Technologies**: Ruby on Rails, PostgreSQL
	Project: http://videomail7.com **Project description**: Record and send webcam video via e-mail **Technologies**: Ruby on Rails, PostgreSQL
	Project: https://www.fanwars.com **Project description**: Fantasy sports management tool **Technologies**: Ruby on Rails, MySQL
	Project: http://galleass.com **Project description**: Forex trading **Technologies**: Ruby on Rails, MySQL
11.2002 – 10.2010	Various companies/positions as C++/Qt/Ruby developer. In early days created open source project http://sourceforge.net/projects/ufo2000/ (>300,000 downloads)

Examples of actual Gemfiles (libraries used in Rails application)

```
source 'https://rubygems.org'                          source 'https://rubygems.org'

gem 'rails', '3.2.18'                                   ruby '2.2.2'
                                                        gem 'rails', '4.2.5'
# server
gem 'thin', :group => :development                      # deployment
gem 'whenever', :require => false                       gem 'thin'
gem 'delayed_job_active_record'                         gem 'airbrake'
gem 'daemons'                                           gem 'figaro'
gem 'unicorn', :group => [:staging, :production]        gem 'rails_12factor', group: :production

# logging and minitoring                                # data
gem 'newrelic_rpm'                                      gem 'pg'
gem 'airbrake'                                          gem 'acts_as_commentable'
gem 'le', '2.2.2' #logentries.com for production        gem 'acts_as_list', '~> 0.7'
log aggregation and live tailing                        gem 'default_value_for', '~> 3.0'
                                                        gem 'state_machines-activerecord'
# data                                                  gem 'simple_enum', '~> 2.0'
gem 'pg'                                                gem 'money-rails'
gem 'activerecord-postgres-hstore'                      gem 'attribute_normalizer'
gem 'pg_search'                                         gem 'paper_trail'
                                                        gem 'will_paginate-bootstrap'
# Cache                                                 gem 'filterrific'
gem 'dalli-elasticache'                                 gem 'countries', '~> 1.0'
```

```ruby
gem 'cache_digests'

# Use foreginer and immigrant to handle
auto-indexing of foreign_keys
# postgresql doesn't generate fk index
gem 'foreigner'
gem 'immigrant'
gem 'paper_trail', '>= 3.0.0.beta1'
gem 'simple_enum', '~> 1.6'
gem 'has_scope'
gem 'attribute_normalizer'
gem 'email_validator'
gem 'acts_as_list'
gem 'role_model'
gem 'state_machine'
gem 'carrierwave'
gem 'rabl'
gem 'acts_as_commentable_with_threading'
gem 'awesome_nested_set', '~> 2.1'
gem 'paranoia', '~> 1.0'

# user
gem 'cancancan', '~> 1.7'
gem 'devise', '~> 3.0.0'
gem 'omniauth'
gem 'omniauth-google-oauth2'

# views
gem 'haml-rails'
gem 'backbone-on-rails'
gem 'marionette-rails'
gem 'haml_coffee_assets'
gem 'js-routes'
gem 'simple_form'
gem 'bootstrap-sass'
gem 'font-awesome-rails'
gem 'kaminari'
gem 'bootstrap-kaminari-views'
gem 'redactor-rails'
gem 'wice_grid'
gem 'jcrop-rails'
gem 'fancybox-rails'
gem 'select2-rails', '~> 3.4.8'
gem 'swf_fu'
gem 'flash_cookie_session'
gem 'google-analytics-rails'
gem 'nested_form'
gem 'chart-js-rails'

# misc
gem 'wkhtmltopdf-binary'
gem 'wicked_pdf'
gem 'mini_magick'
gem 'redcarpet'
gem 'nokogiri'
gem 'rubyzip'
gem 'standard_deviation'
gem 'roadie', '~> 2.4'
gem 'letter_opener'
gem 'oj'
gem 'fast_blank'
gem 'inherited_resources'
gem 'figaro'
gem 'fog', '~> 1.22'

# dev
gem 'awesome_print'
group :development, :test do
  #gem 'debugger'
  gem "rspec-rails", '~> 2.14.0'
  gem 'simplecov', :require => false
  gem "capybara"
  gem 'cucumber-rails', :require => false
  gem 'capybara-screenshot'
  gem 'capybara-webkit'
  gem 'launchy'
  gem 'poltergeist'
  gem 'selenium-webdriver'

  gem "factory_girl_rails"
  gem "ffaker"

gem 'groupdate'
gem 'adhoq', github: 'esminc/adhoq'
gem 'randumb'
gem 'email_validator'
gem 'pg_search', '~> 1.0'

# i18n
gem 'globalize', '~> 5.0'
gem 'rails-i18n'
gem 'devise-i18n'
gem 'will-paginate-i18n'
gem 'i18n-tasks', '~> 0.7.13'
gem 'i18n-js', '>= 3.0.0.rc11'

# users
gem 'devise'
gem 'cancancan', '~> 1.10'
gem 'role_model'

# ui+
gem 'bootstrap-sass', '~> 3.3.1.0'
gem 'font-awesome-rails'
gem 'sass-rails', '~> 5.0'
gem 'autoprefixer-rails'
gem 'uglifier', '~> 2.0'
gem 'coffee-rails', '~> 4.1.0'
gem 'jquery-rails'
gem 'jbuilder', '~> 2.0'
gem 'simple_form'
gem 'country_select'
gem 'haml-rails', '~> 0.8'
gem 'select2-rails'
gem 'chartkick'
gem 'js-routes'
gem 'cocoon'
gem 'simple_calendar', "~> 2.0"
gem 'datetimepicker-rails', github:
'zpaulovics/datetimepicker-rails', branch:
'master', submodules: true
gem 'gretel'
gem 'flutie'
gem 'tinymce-rails'
gem 'tinymce-rails-langs'

source 'https://rails-assets.org' do
  gem 'rails-assets-datatables'
  gem 'rails-assets-datatables-buttons'
  gem 'rails-assets-datatables-plugins'
  gem 'rails-assets-jszip'
  gem 'rails-assets-moment'
  gem 'rails-assets-underscore'
  gem 'rails-assets-json2-js'
  gem 'rails-assets-store.js'
  gem 'rails-assets-animate.css'
  gem 'rails-assets-metisMenu'
  gem 'rails-assets-pace'
  gem 'rails-assets-slimscroll'
  gem 'rails-assets-jquery.kinetic'
end

# general
gem 'wicked_pdf'
gem 'wkhtmltopdf-binary-edge', '~> 0.12.2.1',
group: [:development, :test]
gem 'wkhtmltopdf-heroku', group: :production
gem 'axlsx', '~> 2.0', github: 'randym/axlsx'
gem 'axlsx_rails'
gem 'roo', '~> 2.1'
gem 'seedbank'

# dev
gem 'awesome_print'
gem 'factory_girl_rails'
gem 'ffaker'
group :development, :test do
  # gem 'jazz_hands', github: 'nixme/jazz_hands',
branch: 'bring-your-own-debugger'
  # gem 'byebug'
  # gem 'web-console', '~> 2.0'
  # gem 'rails-erd'
  gem 'better_errors'
```

```
  gem "database_cleaner"                          gem 'binding_of_caller'
  #gem 'better_errors'                            gem 'spring'
  gem 'capistrano', '~> 3.2.0'                    gem 'spring-commands-rspec'
  gem 'quiet_assets'                              gem 'rspec-rails'
  gem 'mail_view', '~> 2.0.4'                     gem 'quiet_assets'
end                                               gem 'letter_opener'
                                                end
group :staging do
  # gem 'ruby-prof'                             group :test do
end                                               gem 'capybara'
                                                  gem 'database_cleaner'
# Gems used only for assets and not required      gem 'simplecov', require: false
# in production environments by default.          gem 'poltergeist'
group :assets do                                  gem 'phantomjs', require:
  gem 'sass-rails',    '~> 3.2.3'               'phantomjs/poltergeist'
  gem 'coffee-rails', '~> 3.2.1'               end
  gem 'turbo-sprockets-rails3'
  gem 'jquery-rails'
  gem 'jquery-ui-rails'
  # See
https://github.com/sstephenson/execjs#readme for
more supported runtimes
  gem 'therubyracer' #, :platforms => :ruby

  gem 'uglifier', '>= 1.0.3'
end
```