

# Curriculum vitae

## Personal data

---

**Name:** Viacheslav M.

### Technical Knowledge and Skills

Javascript, Node.js, Express.js, MongoDB, GraphQL, Rest API



Viacheslav is a software engineer with 9+ years of experience who is passionate about developing fast, reliable and easy to use client-oriented solutions that solve real-life problems. Open-source contributor. He loves what he does and is a fan of test-driven development.

## Education

---

September 2007 —  
June 2012

Russian Federation  
Specialist at Natural Sciences, Computer Aided Design  
Systems, Far Eastern State Transport University

## Work experience

---

March 2018 -  
Present

IT Services and IT Consulting Company, United States,  
California  
Senior Full Stack Developer

### Stack:

- Java,
- TypeScript,
- Angular,
- Python,
- Django,
- Node.js,

- Sails.js,
- Protobuf,
- GraphQL,
- Sass,
- Karma,
- Catalyst,
- Scuba,
- PostgreSQL,
- Webpack,
- Jasmine,
- Backbone.js,
- Ember.js,
- Apps Framework,
- YouTrack.

**Responsibilities:**

- Developing an internal Google web application for effective computational resources management across Alphabet;
- Developing an ETL tool for Apple analysts and data engineers;
- Developing business features for ae.com website, fixing defects, improving code coverage;
- Refactored a “product flags” feature, which was implemented in 8 different places on a server and a client side without any unit tests; Implemented isomorphic solution and covered it with unit tests;
- Replaced 4 subsequent commands for launching an application with a single npm script allowing remote debugging on a local machine.

March 2015 -  
March 2018

**IT Services and IT Consulting Company, Switzerland, Zürich**  
Senior Front End Software Engineer

**Stack:**

- JavaScript,
- Angular.js,
- jQuery,
- Node.js,
- Express,
- Lodash,

- TypeScript,
- Jasmine,
- Karma,
- CSS3,
- Less,
- HTML 5,
- Grunt.

**Responsibilities:**

- Reduced maximum digest cycle time in all applications at 1.5 times;
- Developed a custom grunt plugin (grunt-ng-html-snapshot), which allows Angular.js based single page applications to be indexed by search engine bots;
- Set up Node.js based websocket server from scratch in a sophisticated enterprise environment on CloudFoundry platform in order to route domain events from application's microservices to all subscribed clients;
- Increased code coverage in Angular.js based application from 40% to 70%;
- Implemented a tool for uploading UI labels translations on different languages for three environments, which simplifies the process from 5 minutes to 30 seconds.

January 2015 -  
March 2015

**Broadcast Media Company, Switzerland, Zürich**  
Full Stack Developer

**Stack:**

- Php,
- SQL,
- MySQL,
- JavaScript,
- jQuery,
- HTML 5,
- CSS3.

**Responsibilities:**

- Developed custom plugins and modules for 1C-Bitrix

- CMS, which powers the company's website visiting by 50k unique users per day;
- Implemented a new, fully functional, responsive version of a user interface according to the UX concept within a month.

December 2012 -  
January 2015

**Business Consulting and Services Company**  
Full Stack Developer

**Stack:**

- Php,
- SQL,
- MySQL,
- JavaScript,
- Mootools,
- jQuery,
- HTML 5,
- CSS3,
- Joomla,
- Drupal,
- WordPress.

**Responsibilities:**

- Developed custom plugins, extensions and modules for open-source content management systems and proprietary content management systems;
- Developed several dozen websites for small retail business;
- Developed a fully-functional version of a private cabinet for a client with loan business, which provides CRUD functionality with loans.

## Portfolio

---

An internal tool / Enterprise  
January 2021 - April 2022

**Description:**

Developing an internal Google web application (as a contractor) for effective computational resources management across Alphabet.

**Technologies used:**

Apps Framework, Java, Protobuf, GraphQL, Angular, TypeScript, Sass, Karma, Catalyst, Scuba.

**Technologies used:**

Java, GraphQL, Angular, TypeScript

## An internal tool / Enterprise

April 2019 - January 2021

**Description:**

Developing an ETL tool (as a contractor) for Apple analysts and data engineers.

**Technologies used:**

Python, Django, PostgreSQL, Angular, TypeScript, Scss, Webpack, Karma, Jasmine.

**Technologies used:**

Django, Python, PostgreSQL, Angular, TypeScript

## Website development / E-commerce

March 2018 - May 2019

**Description:**

Developing business features for ae.com website (as a contractor), fixing defects, improving code coverage.

Project technical achievements:

- In spare time found and documented for production support dozen bugs on a production website with severity I4 (influencing ~10k users per day). Fixed two major ones on my own.
- Refactored a "product flags" feature, which was implemented in 8 different places on a

server and a client side without any unit tests. Implemented isomorphic solution and covered it with unit tests.

- Replaced 4 subsequent commands for launching an application (gulp build, watcher, sails.js server, redis) with a single npm script allowing remote debugging on a local machine.

**Technologies used:**

JavaScript, Backbone.js, Ember.js, Less, Stylus, Node.js, Sails.js.

**Technologies used:**

Javascript, Backbone, Node.js

## Internal tools / Enterprise

March 2015 - March 2018

**Description:**

Launched to production environment 3 complex single page web applications for insurance and reinsurance business. As a side project developed a pilot version of a single page application, which aggregates flight insurance services from different insurance companies.

**Technical achievements:**

- Reduced maximum digest cycle time (the cycle, which is responsible for synchronizing a model and a view and should be as fast as possible) in all applications at 1.5 times.
- Developed a custom grunt plugin (grunt-ng-html-snapshot), which allows Angular.js based single page applications to be indexed by search engine bots.
- Set up node.js based websocket server from scratch in a sophisticated enterprise environment on CloudFoundry platform in order to route domain events from application's microservices to all subscribed clients.
- Increased code coverage in Angular.js based applications from 40% to 70%.
- Implemented a tool for uploading ui labels translations on different languages for three environments, which simplifies the process from 5 minutes to 30 seconds.

**Technologies used:**

JavaScript, Angular.js, jQuery, Node.js, Express, lodash, TypeScript, Jasmine, Karma, CSS3, Less, HTML 5, Grunt.

Technologies used:

Javascript, Angular, Node.js, Express.js, TypeScript, CSS, HTML

## Website development / News aggregator

January 2015 - March 2015

### Description:

Developed custom plugins and modules for 1C-Bitrix CMS, which powers the company's website visiting by 50k unique users per day.

Technical achievements:

- Implemented a new, fully functional, responsive version of a user interface according to the UX concept within a month.

### Technologies used:

Php, SQL, MySQL, JavaScript, jQuery, HTML 5, CSS 3.

Technologies used:

PHP, SQL, MySQL, Javascript, HTML, CSS

## Websites development

December 2012 - January 2015

### Description:

Developed custom plugins, extensions and modules for open-source content management systems (Joomla, Drupal, WordPress) and proprietary content management systems (1C-Bitrix). Developed several dozen websites for small retail businesses.

Technical achievements:

- within two days developed a fully-functional version of a private cabinet for a client with loan business, which provides CRUD functionality with loans.

### Technologies used:

Php, SQL, MySQL, JavaScript, MooTools, jQuery, HTML 5, CSS 3.



Technologies used:

PHP, MySQL, SQL, Javascript, HTML, CSS