

# Sergey N. Bolshchikov

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**Objective:** Senior Front-End Engineer

## **Personal Information:**

Date of Birth: 03-Feb-1987  
Citizenship: Russia, Israel

## **Experience:**

[New ProImage \(Agfa\)](#),  
June 2012 – Current

### **Position: Senior Front-end Engineer**

#### **Description:**

Creating large-scale client side application for publishing houses.

#### **Duties:**

Developing application framework based on ideas of large-scale JS application (based on Aura, Ember, RequireJS, KendoUI, Karma).

Extensive research of JS MVC frameworks (Backbone, Angular, Ember, Knockout, etc.).

Building the server load test utilizing the existing client side code base (NodeJS, PahntomJS, ImageMagic).

Creating log analyzing toolkit (Ruby, Ember).

#### **Development:**

Client side: HTML, HTML5 (localStorage, WebSockets), JavaScript, CSS, jQuery, Kendo UI, Knockout, Ember, Jasmine, Karma, PhantomJS, Node.

[Technion Research & Development Foundation](#)  
June 2011 – June 2012

### **Position: Software Development Lead,**

### **Project: Web-based Object-Process Methodology (OPM) CASE Tool**

#### **Description:** On-line editor for Object-Process Methodology

#### **Duties:**

Leading the group of 8 developers, Gathering requirements, architecture developing; Modeling using OPM and UML;

#### **Development:**

Client side: HTML, HTML5, CSS, jQuery, JavaScript, Bootstrap, SVG;  
Server side: Google App Engine, Python, Jinja2, Webapp2 framework;  
NoSQL; Google Channel API.

[Technion – Israel Institute of Technology](#)  
March 2010 – June 2012

### **Position: Software Engineer**

### **Project: Vivid OPM Evaluation Tool**

#### **Description:**

Online evaluation tool intended for check Vivid OPM. Application assigns every signing person to one of two groups. Each group performs separate task. The results are analyzed.

**Development:**

Client side: HTML, CSS, Javascript, jQuery, Facebook API, Google API  
 Server side: Python, Google App Engine, used Open Auth2.0 algorithms

**Project:** Vivid OPM Conceptual Animation Tool**Description:**

Online application intended to animate conceptual OPM models into spatial-temporal space.

**Duties:**

Developing animation tool for conceptual models simulation (Vivid OPM).

Extensive research and analysis of currently existing solution.

Developing architecture.

The work has been presented in conferences in USA, Israel, France.

**Development:**

Client side: HTML, CSS, Javascript, Ajax, jQuery;

Server side: Apache Tomcat, Java

*Center of psychological,  
 medical, and social*

*maintainability for hearing-  
 impaired children "ECHO"*

*Oct. 2007 – June 2009*

**Position: Software Engineer,****Duties:**

Development of Information System for Center of Hearing-Impaired Children.

The group leader of 4 developers.

Analysis of organizational structure. Defining system requirements.

Building set of models: conceptual, structural, algorithmic, mathematical.

Design of database (Firebird). Implementation of client side with C++.

Developing User Guide. National Software Registration: #2009613569

"Computer-Aided Information System 'ECHO'".

**Education:**

*Oct. 2009 – May 2013*

**Master of Science,**

Technion – Israel Institute of Technology, Haifa, Israel

Major: Information System

*Sept. 2004 – June 2009*

**Bachelor of Science,**

Ural State Technical University, Yekaterinburg, Russia

Major: Information Systems and Technology

Minor: Medicine

**Skills:**

*Operation System:*

OSX, Linux, Windows

*Office:*

MS Office, MS Project, MS Visio, OpenOffice

*Development Management:*

Git, Mercurial, Github, Bitbucket, JIRA

*Languages:*

JavaScript, OOP Javascript, CoffeeScript, Ruby, Python, C++, HTML, HTML5, CSS, SVG, JSON, XML

*Libraries and Frameworks:*

Ember, Knockout, Angular, Backbone, jQuery, Google App Engine, KendoUI, PhantomJS, Node, jQueryUI, Bootstrap, PureCSS

*Testing:*

Jasmine, Mocha, qUnit, Karma

*Modeling:*

UML, OPM, IDEF, BPMN

***Open Source Projects:***

[\*\*\*insanely-big-tables\*\*\*](#)

The comparison project of tables between different JS frameworks

[\*\*\*npg-selection-lists\*\*\*](#)

Selections list Ember widget

[\*\*\*ember-table\*\*\*](#)

Contributed the fully fledged selection mechanism for ember table component

***Public Appearance:***

Why do I need EmberJS if jQuery is enough (DUMP) [[Video](#)][[Slides](#)]

Ember Reusable Components and Widgets (EmberFest) [[Video](#)] [[Slides](#)]

From VanillaJS to MVC (Ember-IL Meetup) [[Slides](#)]

Web Projects: From Theory To Practice (GDG Meetup) [[Video](#)] [[Slides](#)]

Front end Development: The Important Parts (New ProImage) [[Slides](#)]

***Language:***

English (Full professional proficiency)

Hebrew (Limited working proficiency)

Russian (Native or bilingual proficiency)

***Professional Membership:*** Ember-IL – official group of Ember in Israel (co-organizer),  
Google Developer Groups (permanent speaker),

***About:***

I love the start up environment where people are passionate about what they do and they care. I am determined, devoted and passionate to what I do.

I believe it's OK not knowing something, but I am always learning and developing my skills.

I believe nothing can be done without a team. I do my best to bring the impact into the team and overall work.