Sergey N. Bolshchikov

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Objective: Front-end Developer Position

Personal Information:

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

Experience:

New ProImage,   **Position: Front-end Engineer**
June 2012 – Current   **Description:**
Creating large-scale client side application for publishing houses.
Duties:
Extensive research of JS MVC frameworks (Backbone, Angular, Ember, Knockout, etc.), architecting client-side application frameworks (terrific, aura, hydra) including on design patterns (mediator, facade, module); unit-testing framework based on Jasmine and Karma (Testacular) runner.
Development:
Client side: HTML, HTML5(localStorage, WebSockets), JavaScript, CSS, jQuery, Kendo UI, Knockout, Ember, Jasmine, Karma, PhantomJS, Node.

Technion Research &   **Position: Software Development Lead,**
Development Foundation   **Project: Web-based Object-Process Methodology (OPM) CASE Tool**
June 2011 – June 2012   **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.

Position: System Architect,
Project: TALOS – EU Border Protection System
Description:
Conceptual modeling of project's requirements.
Modeling behavior of UGV (Unmanned Ground Vehicle).

Position: System Architect,
Project: SISO Smackdown 2011 NASA Project
Description:
Analyzing the requirements.
Developing the conceptual model of Lunar Shuttle Vehicle and its behavior.

Leading the group of 5 people.
Creating the software tool of model mapping from Object-Process Methodology to Base Object Model (Python)

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

Position: Software Engineer,
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

Position: Academic Adviser,
Description:
Developing Information System for Druze Heritage Museum.
Leading the group of 5 students.
Analyzing the requirements.
Developing the models' set with OPM, UML, ERD.
Development:
Client side: HTML, CSS, Javascript;
Server side: Apache, PHP, CodeIgniter Framework

Position: Teaching Assistant,
Description:
Course "Specification and Modeling of Information Systems"

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, Python, C++, HTML, HTML5, CSS, SVG, JSON, XML
Libraries and Frameworks: Aura, Ember, Knockout, Angular, Backbone, jQuery, Google App Engine, KendoUI, Jasmine, Mocha, Karma, PhantomJS, Node, jQueryUI, Bootstrap
Modeling: UML, OPM, IDEF, BPMN
Editor: Photoshop, CorelDraw

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 fledge selection mechanism for ember table component

Public Appearance: Ember Reusable Components and Widgets (EmberFest) [Video] [Slides]
From VanilaJS 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),
IEEE

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.