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| Sergey N. Bolshchikov  20 Zalman Shneur st., apt # 19,  Haifa, Israel, 32544  Phone: +972 52 534 4907  Email: [sergey@bolshchikov.net](mailto:sergey@bolshchikov.net)  Website: [http://bolshchikov.net](http://bolshchikov.net/)  LinkedIn: <http://il.linkedin.com/in/bolshchikov> | |
| ***Objective:*** | Front-end Developer Position |
| ***Personal Information:*** | |
| *Date of Birth:* | 03-Feb-1987 |
| *Citizenship:* | Russia, Israel |
| ***Experience:*** | |
| [*New ProImage*](http://www.new-proimage.com/)*,*  *June 2012 – Current* | **Position: Front-end Engineer**  **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 & Development Foundation*](http://www.trdf.co.il/eng/)  *June 2011 – June 2012* | **Position: Software Development Lead,**  **Project:** [**Web-based Object-Process Methodology (OPM) CASE Tool**](http://code.google.com/p/web-opm)  **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*](http://www1.technion.ac.il/en)  *March 2010 – June 2012* | **Position: Software Engineer**  **Project:** [**Vivid OPM Evaluation Tool**](http://code.google.com/p/vividopmevaluation)  **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:* | Linux, Windows, MacOS |
| *Office:* | MS Office, MS Project, MS Visio, OpenOffice |
| *Development Management:* | Git, Mercurial, Github, Bitbucket Scrum, Asana |
| *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 |
| ***Language***: | English (Full professional proficiency)  Hebrew (Limited working proficiency)  Russian (Native or bilingual proficiency) |
| ***Awards:*** | |
| *2009:* | Certificate of National Software Registration #2009613569 |
| *2009:* | Opportunity Grant from Public Affairs Section of US Embassy |
| *2009:* | University Exhibition of Students Inventions and Software – 1st prize |
| ***Publications***: | |
| Bolshchikov, S., Renick A., Mazor S., Somekh J., Dori D. (2011) OPM Model-Driven Animated Simulation with Computational Interface to Matlab. Proc. 20th IEEE International Conference on Collaboration Technologies and Infrastructure, Paris, France, June 27-29.  Bolshchikov S., Somekh J., Mazor S., Monadeev M., Hertz S., Choder, M. and Dori D. (2010). Visualizing the Dynamics of Conceptual Behavior Models: The Vivid OPM Scene Player. Proc. 3rd International Conference on Model-Based System Engineering, George Mason University, Fairfax, VA, USA, Sept. 27-28. | |
| ***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 develop 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. |