Gleb Bahmutov, PhD   gleb.bahmutov@gmail.com   203-228-2155

JavaScript ninja, image processing expert, software quality fanatic

Links to software (more than 300 OSS projects), talks (more than 70 worldwide), videos, blog posts (more than 400 software essays) at https://glebbahmutov.com/
Microsoft MVP for Open Source Software

PhD in Computer Science, Purdue University, 2006   West Lafayette, IN
Specialization: computer graphics and image processing. Advisor: Dr. Voicu Popescu
Thesis title: Efficient Large Scale Acquisition and Modeling of Building Interiors

May 2017   **VP of Engineering, Cypress.io**   remote
present
- Developing unique end-to-end testing tool for anything that runs in the browser; plus related SaaS services
- Making every engineer on the team as productive as possible
- Promoting the tool among developers to make sure every company, team, project in the world is either using Cypress or strongly considering it

Jan 2014   **Software Engineer, Kensho**   Cambridge, MA
May 2017
- Modern web application for a successful financial startup
  - One of the first employees via ex-coworker referral
  - Responsible for the very first front end application design and implementation, which got us world's largest banks as clients and investors
  - AngularJS, D3, React, NodeJS
  - Wrote many Angular libraries and "missing pieces" utilities
- Performance, security, engineering productivity
  - Optimized Angular 1 performance bottlenecks, setup unit testing, semantic release and crash reporting. Read the findings and advice to other developers at https://glebbahmutov.com/blog/
- Developer advocate and conference speaker
  - Taught other developers how to transition from imperative to functional reactive programming
  - In charge of promoting Kensho name recognition and attracting top notch engineering talent, spoke at ng-conf, AngularConnect, NodeConf EU, NodeFest Tokyo, NodeJS Italy, and many other conferences

Oct 2013   **Senior Software Engineer, Applause**   Framingham, MA
Jan 2014
- Front end redesign with modern tooling (AngularJS, NodeJS)

Oct 2012   **Senior Software Engineer, MathWorks**   Natick, MA
Sep 2013
- Porting MATLAB and its toolboxes to run in the browser / cloud
- Data visualization and graphics using HTML5 technology
- JavaScript and modern client-side development evangelist

Oct 2008 Sep 2012	**Senior researcher, EveryScape Inc**	Newton, MA

- Headed Advanced Technology Group and am personally responsible for cutting product costs by 90%
- Automated image acquisition, processing, viewing and distribution of large sets of panoramic content for multiple national partners.
- Designed and implemented 3D modeling tools used internally and sold commercially.
- Created a multi-purpose task farm used to quickly process image data, build 3D transitions, prepare for distribution and other jobs. The software was later sold to several international clients.
- Lead the push towards HTML5 and mobile clients to expand product reach.
- Created and applied for intellectual property protection on behalf of the company. Defended the company against patent infringement allegations as an expert witness.

Aug 2006 Oct 2008	**Senior scientist, 3D Digital Corp**	Sandy Hook, CT

- Developed an inexpensive low-powered eye-safe structured light scanner suitable for a wide range of applications
- Improved accuracy of the existing line of laser-based scanners to satisfy strict clients' requirements

Aug 1999 Aug 2001	**Software Engineer, ObjectBuilders Inc**	Indianapolis, IN

- Distributed client/server SDK, multiple database abstraction layer, interface between Obj-C/C/C++/Java using COM/COBRA custom bridge.

Software interests

- NodeJS and JavaScript as a development platform with the largest reach
- Modular development and semantic versioning of libraries and application
- Productivity and responsibility for written software, both personal and as a team
- Having resume longer than a single page and lists with more than 3 bullet points