

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

JavaScript ninja, image processing expert, software quality fanatic

Author of more than 400 OSS projects, talks (more than 150 worldwide), videos (700+ on my YT channel), testing courses, and blog posts (more than 600 software essays). All links are at <https://gleb.dev/>

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

June 2021 **Sr Director of Engineering, Mercari US**

remote

present

- Set up the web automation testing for the entire online marketplace
- Maintain 1000 E2E tests running multiple times per day
 - See how in <https://slides.com/bahmutov/decks/mercari>
- Trained and worked closely with the web and QA teams

May 2017 **VP of Engineering, Cypress.io**

remote

June 2021

- Developing a 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, and project in the world is either using Cypress or strongly considering it

Jan 2014

May 2017 **Software Engineer, Kensho**

Cambridge, MA

- 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 the 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, set up 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)

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|----------|---|---------------|
| Oct 2012 | Senior Software Engineer, MathWorks | Natick, MA |
| Sep 2013 | <ul style="list-style-type: none"> • 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 | Senior researcher, EveryScape Inc | Newton, MA |
| Sep 2012 | <ul style="list-style-type: none"> • 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, and 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 | Senior scientist, 3D Digital Corp | Sandy Hook, |
| Oct 2008 | CT <ul style="list-style-type: none"> • 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 | Software Engineer, ObjectBuilders Inc | Indianapolis, |
| Aug 2001 | IN <ul style="list-style-type: none"> • Distributed client/server SDK, multiple database abstraction layer, interface between Obj-C/C/C++/Java using COM/CORBA custom bridge. | |

Professional Recognition

- Microsoft MVP for Open Source Software, Cypress.io Distinguished Engineer, GitHub Star, CircleCI Ambassador, Algolia Ambassador

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 personally and as a team
- Having a resume longer than a single page and lists with more than 3 bullet points