

Ben Buckman

Senior Software Engineer

I am a software engineer with 14 years of professional experience. I have been specializing since 2012 in the Node.js ecosystem, and recently learned Python and Go. I am interested in a senior IC or lead role with a backend, internal tools, or logistics focus. I believe strongly in open source, agile development, automated testing, maintainable code, and effective communication.

Technical Expertise

- Node.js (JS, ES6, CoffeeScript), React, Angular, Backbone
- System and API architecture and integration
- Data architecture, Postgres, MongoDB, MySQL, Redis
- Service-oriented architectures
- Linux, MacOS, Bash
- Familiar with Python, Go, RabbitMQ
- Contributor to dozens of open-source projects

Other Skills

- Pragmatic judgment of technical and business tradeoffs in software development
- Effective communication with team members, clients/customers, and non-technical stakeholders
- Ask the right questions to understand complex challenges
- Adept at context-shifting between high-level strategy/priorities/goals and low-level code/sprints/process
- Creative and persuasive writing
- Carpentry, sailing, cooking, motorcycle repair
- Fluent in Hebrew, proficient in Spanish

Professional Experience

Shyp Sept 2015 - Present San Francisco, CA

Senior Software Engineer

- Senior platform engineer for on-demand pickup/packaging/shipping/fulfillment service built in Node.js and Postgres.
- Led engineering on Shopify integration while onboarding 4 new engineers, earned company award for November 2016.
- Led engineering on eBay integration, and published eBay API client for Node.js.
- Drove efforts to clean up technical debt and improve performance and scalability.
- Promoted pair-coding and test-driven development.
- Co-architected and co-engineered label printing product.

Good Eggs June 2014 - Aug 2015 San Francisco, CA

Senior Software Engineer, Logistics

- Developed logistics software for innovative food distribution model. XP/agile approach with Node.js, MongoDB, Redis, and Angular.
- Led development of marketplace Availability service, aggregating inventory, purchase orders, just-in-time capacities, and sales to communicate product availabilities to the market website and automated subscription service. Node.js with transactional Redis for primary datastore, RabbitMQ for inbound and outbound event stream.
- Led development of Inventory service. Utilized Node.js and MongoDB with document-level atomic writes for audit trail. Tracked status and location of food from receiving to delivery, including cycle counting and shrinkage.
- Built a Kitchen Planner app for company's kitchen staff to predict lunch attendance (side project in Node, Hapi, and Angular).
- Helped drive team's shift to a micro-service architecture, spinning up twelve new micro-apps (on Node.js/Express stacks) in six months. Deeply involved in strategies for cross-service

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testing, API design, and AMQP messaging.

- Led design and development of authentication mechanism for distributed applications, with single-use encrypted tokens for both browser-to-server and server-to-server API communication.

DocuSign, Inc Sept 2012 - June 2014 San Francisco, CA

Lead Engineer / Dev Manager, Growth & Architecture

- Leading team's operations, delivering features, and mentoring. Team's charter included architecture (including performance, scalability, and security) and growth (e.g. AB testing).
- Lead engineer rebuilding application with Node.js, Coffeescript, Backbone, and Redis, with a REST API as primary data store.
- Led daily standup with in-person and remote engineers, QA, product, and UX stakeholders. Negotiated requirements with API team in Seattle and other API consumers.
- Trained formerly-.NET developers on CoffeeScript/Node.js/Backbone stack.
- Created and edited the DocuSign Dev Blog.

Senior Software Engineer

- Rebuilt a global SaaS application with millions of consumer and enterprise customers using Node.js. Second engineer on team that grew to 15+, led architectural decisions.
- Front-end in Backbone.js (with custom framework on top) and CoffeeScript. Middle-tier backend in Node.js and Express, with Redis for caching, built to horizontally scale. Used a REST API (the company's public API plus custom endpoints) as primary backend.
- Contributed back significant work to the Node.js community, including a Redis Sentinel client.

New Leaf Digital 2010 - 2012 Boston, MA and Buenos Aires

Founder, Freelance Consultant

Provided expert consulting and development for Drupal and Node.js to 30+ clients. Specialized in custom application development, auditing for best practices, site repairs, geo/mapping, scaling for high traffic, and training. Direct client engagement as well as partnerships with other firms & developers.

AntiquesNearMe.com 2010 - 2012 Cambridge, MA

Co-Founder, Principal Engineer

Dev, ops, and business development for AntiquesNearMe.com, a startup building a portal for antiques local search. Business development / startup experience.

Misc

Web Developer 2003-2009 Israel and Boston, MA

- 2009-2010: Web developer in IDG's Online Publishing Group.
- 2008-2009: Web developer at EchoDitto. Built websites for progressive, non-profit, and mission-driven organizations.
- 2003-2009: Freelance web development in ASP, PHP, and Drupal. Built HTML and Javascript mockups for an enterprise software company's sales department. Developed a custom CMS for a Boston community newspaper. Built an ad network with OpenX and Joomla. Managed website content for Boston University.

Education

- Boston University, Bachelor of Arts, magna cum laude, 2008
- Joint concentration in philosophy and political science, minor in international relations
- Dean's List selectee for five semesters