

JOSHUA BALLOCH

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joshuaballoch.github.io/about

Experience

June 2012 –	GIGABASE Lead Web Developer Full-stack developer leading the 5-person development team at Gigabase – a materials management Software-as-a-Service for architecture and construction firms. <ul style="list-style-type: none">• Central planner & architect of our technical architecture<ul style="list-style-type: none">◦ Rebuilding site using Marionette.js with a Ruby on Rails back-end.◦ Restructuring database to efficiently structure materials data and improve design.• Managing the development process using a Kanban Agile methodology<ul style="list-style-type: none">◦ Fostering a workflow where all members contribute to brainstorming and planning solutions, reviewing work, and learning as a team.◦ Integrating with product & sales teams to establish and deliver on business goals.• Drove improvements to Giga’s product management process by:<ul style="list-style-type: none">◦ Assuming meetings with clients, conducting research and gathering user feedback.◦ Designing mockups and wireframes in Balsamiq and Illustrator,◦ Hiring for and working collaboratively to establish an independent product team.	Shanghai, China
Feb 2014-	AIRAWARE - CHINA Tech Lead & Web Developer Developing an indoor air quality monitoring & filtering service for schools & offices in China. Collaborating with leading manufacturers to integrate sensor data into core services.	Shanghai, China
2011 - 2012	THINKSPACE.ME Co-founder Founded an online community for informative discussion on contemporary issues. Developed the site in Ruby on Rails, HTML/CSS, and Javascript; launched on Heroku.	Montreal, Canada
Summer 2010	PRATT & WHITNEY CANADA Intern Engineer Documented fluid accessories systems for 19 engine variants. Analyzed acceptance tests of fuel control units & fuel/oil heat exchangers.	Montreal, Canada
Summer 2007	REDBOX STUDIO Graphic Designer & Photographer Designed and collaborated on various projects using Adobe InDesign, Illustrator, and Photoshop. Primary photographer for the Fodor’s Guide to Beijing, 2008 Olympics Edition.	Beijing, China
Education		
2012	McGILL UNIVERSITY Bachelor of Mechanical Engineering, Honours Program , GPA: 3.88 / 4.0 <ul style="list-style-type: none">• <i>Awards:</i> British Science Association Medal (1st in program); Dean’s Honour List; Brian Cullen Memorial Award; G.H. Duggan Memorial Scholarship; Student-Athlete Honour Roll	Montreal, Canada
2007	INTERNATIONAL SCHOOL of BEIJING International Baccalaureate (IB) Diploma 42/45 (99 th percentile)	Beijing, China
Technology	<i>Primary:</i> Ruby on Rails, Backbone.js, Marionette, Coffeescript, Javascript, CSS3/SASS, HTML5 <i>Server Tech:</i> Unicorn, Nginx, backed by MySQL, Redis, Sphinx, Resque, Sidekiq <i>Deployment:</i> Capistrano, Git, Github <i>Design:</i> Adobe InDesign, Illustrator, Photoshop, Balsamiq	
Projects	<i>McGill Journal of Law & Health:</i> Upgraded site, implementing new design and improved features, added social media integration on existing PHP base. mjlh.mcgill.ca	
Personal	Fluent English, French, and Chinese (Mandarin) <i>Electronics:</i> enjoy prototyping and building electromechanical devices <i>Photography:</i> lived and traveled extensively in China, documenting unique, complex culture, including projects in remote areas of Yunnan with Ventures in Development, and RedBox Studio	