

# Val Brodsky

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## Experience Summary

I have over ten years of experience in Internet development, back-end API integration, and data load and reporting. I can work independently as well as lead a team of engineers. I have also started my own company and stayed in business for three years. I have experience in Agile development process and a proven track record of delivering projects on time and on budget.

## Technical Skills

- Significant programming experience with Ruby and Rails, C++, PHP with cakePHP, Perl
- Working knowledge of Joomla, Javascript (w/ jquery)
- C++ pthread and STL libraries
- Implemented integration with Akamai, Salesforce, Adtech, Facebook, SurveyGizmo, Rally
- mySQL, PostgreSQL
- Subversion, Git
- Agile development methodology with Rally

## Experience

### Collective Media 02/2010 - current

#### *Senior Developer - Back End Team (C++, Ruby, Perl)*

- Development projects for data load and reporting middleware in Ruby and C++, currently processing over 100 mln. rows of data a night
  - Designed and implemented a Video Reporting feature. Extended system architecture to ability to process optional datasets. This was company-critical project. It went live on-time and operated with no major issues from day one.
  - Redesigned server 'front end' using templates
  - Redesigned Server widgets API to improve performance and make it more flexible
  - Optimized data load process using multi-threading. Data load time decreased from 9-12 hours to 2-3 hours per day.
  - Implemented in-memory cache for a C++ data server
- Completed a batch reporting module and scheduled report management in Ruby / Rails

## **Independent Projects 2/2009 – present**

- On-line recruiting site in PHP / cakePHP / jQuery
- **Joomla modules**: Group Member search (modelled after LinkedIn Ajax search), a **SurveyGizmo** component for Joomla. A script to import third-party member data. All components are reusable across various site modules
- College SAT **Facebook application** in cakePHP
- Registration and profile management for a consumer-to-business social networking site in php
- A **content upload module** for video, images, and documents in php. Utilized ffmpeg and Imagick for video and image conversion

## **Tremor Media 11/2007 – 02/2010**

### ***Team Lead / Principal Software Developer (PHP)***

- Architected server and embed libraries for a video ad management and delivery platform. The product included an ad management application in CakePHP and a flash component to deliver ads. The solution used Akamai CDN for scalability and integrated with Adtech ad server to deliver ads. First release of the product was up and serving over 100 publishers four months from the beginning of development. The product currently supports close to 1,000 publishers
- Hands-on development included framework for XML generation, integration with Salesforce and Adtech ad server, parts of js embed library data interface with Jasper server, etc.
- Fully automated build process for php and flash using ant, phing and bash. Managing parallel development of product releases.
- Deployed Agile method and coordinated development process between US-based and offshore developers.

## **Yamaha Music Interactive 9/2006 – 11/2007**

### ***Tech Lead/Project Manager (PHP)***

- Implemented numerous updates to music download / ecommerce web service including a web site, a content administration system, a rights management / content download system and a content upload module.

## **Entrepreneur 2/2003 – 9/2006**

### **Urbanregistry.com (PHP)**

- Responsible for requirement generation, design and implementation of urbanregistry.com backend and web site. The site was implemented in PHP/mysql.
- Hired a team of 9 staff in India and 2 staff in the US.

## **firstRain Inc., New York, NY 12/2000 – 2/2003**

### ***Engineering Manager (Java)***

- Led design and development of a web clipping product in tomcat / Core Java / C++ (back end) and VB (GUI). Selected and customized development framework for the product (Java). Conducted object-oriented design of the system. Delivered 6 successful releases of the product.

## **Sapient Corp., Jersey City, NJ 7/1995 – 12/2000**

### ***Developer, Lead Developer, Application Architect (C++, Perl)***

- Participated in numerous engagement with clients, including client workshops, technical design, implementation and support
- Delivered approximately 10 web applications, including an online small business banking application for Wells Fargo, an online business market places for health industry, an operational system for a reinsurance company
- Advanced from a developer to application architect

## **Microstrategy Inc, Tysons Corner, VA 6/1994 – 7/1995**

### ***Developer (VB, C++)***

- Participated in design and development of DSS Server, a decision-support middleware.

## **Education**

### **Massachusetts Institute of Technology 9/1992-2/1994**

Department of Electrical Engineering and Computer Science, Master of Science in Operations Research, GPA: 4.85 / 5.00

### **Stevens Institute of Technology 9/1989 - 5/1992**

Department of Engineering, Bachelor of Engineering in Electrical Engineering, GPA: 3.75 / 4.00