

# Rijvi Rajib

Greater Boston Area

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## EXPERIENCE

### **Blue Zone Labs, Remote — Senior Software Engineer**

FEBRUARY 2012 - PRESENT

Working on several VIP projects, SoloSEO and PageSpeedGrader being the biggest ones, having direct control of most of the platform and the devops for the system. The company is primarily a Perl shop but swaps over to other languages as needed. Both SoloSEO and PageSpeedGrader are Perl server-side using Mason and CGI for most of the scripts. Created and integrated several APIs for any of our client's needs.

For PageSpeedGrader, I designed and implemented the entire stack, from YSlow and PhantomJS setups to the multi-server API network for the system to run in many different countries. SoloSEO is our VIP product and is integrated in directly into the Cpanel of many hosting companies. Created, supported, and integrated a multitude of APIs to make our system robust and highly available. Worked on a real-time report system for website analysis scanning, analyzing, and scoring websites for SEO products.

Also work directly with clients on PHP Wordpress issues. Front-end uses Bootstrap 2/3, Node.js, and jQuery for almost all projects and is the core of our product for customers. Also worked with and helped set up a distributed database.

Worked with PHP, Perl, Node, Javascript, MySQL, Apache, Mason, Class::DBI, Rose::DBI, DBIx, Trello, Foundation, jQuery, jQueryUI, and Bootstrap.

### **Zombie Labs, Boston, MA — Owner**

SEPTEMBER 2008- PRESENT

Originally started in 2004 as Saphira Networks, specializing in custom client software and web design the company eventually grew and renamed as Lead Bulb in 2008 adding a focus on custom mobile app development, web hosting, and augmented system administration the company eventually began to focus on custom internal projects and renamed once again to Zombie Labs. Throughout the lifespan of Zombie Labs I was a majority owner, project manager, and lead software engineer. Responsibilities included client relations, client acquisition, software development, systems administrator, engineering manager, finance management, taxes and many other ever changing roles.

Notable clients include:

- Automattic <https://automattic.com/>
- Plex <https://plex.tv/>
- Blue Zone Labs <http://bluezonelabs.com/>
- Advoqt <http://www.advoqt.com/>
- Mosaic Technology <http://www.mosaictec.com/>
- Adaptia <https://adeptia.com/>
- Almond Development <http://www.almonddev.com/>
- Waterboro, ME Fire Department <http://waterboro-me.net/>
- MedPayOnline <https://www.patientportal.me/>
- www.RealEstate <http://mlsassistant.com/>
- Smoke Ends <http://smokeends.com/>
- Cyphrd <https://www.cyphrd.com/>

Worked with Node.js, Python, Perl, PHP, JavaScript, Java, Ruby, Scala, and many others. Technologies ranged but

included Amazon AWS (EC2, RDS, ECS, Route 53, and many others), Express.js, Play Framework, Rails, jQuery, Django, Android (native), Cordova, Ember.js, Meteor.js, Grunt, Gulp, Docker, MySQL, PostgreSQL, Neo4j, Apache, Basecamp, Google App Engine, Habari, Nginx, OAuth, OpenID, WordPress, LESS, Google Closure, Mootools, PyCrypto. I worked extensively with cryptography on projects, including extensive use of AES, AES, PBKDF2, and many others.

## **Milcord, Waltham, MA — *Software Engineer***

NOVEMBER 2014 - MARCH 2016

At Milcord, I worked on a variety of different platforms. Along with software development, there was an emphasis on semantic data and DevOps. Added features and functionality to both server side and client-side projects and Android mobile development with OpenDataKit. Worked with and supported various APIs integrating into MediaWiki and Android including exporting to different formats like PowerPoint and GeoJSON. Worked and developed Pelias Vagrant environment and developed docker instances to use and create a custom geocoder.

Milcord maintains and develops several software projects. All web services were hosted on Amazon AWS, using Chef and Docker to manage the servers and simplify change management. The majority of web projects were in PHP, Node.js and Ruby. Client-side projects generally were done using jQuery, Backbone.js, Require.js, Underscore.js however several were made using React.js as well.

Worked with PHP, JavaScript, Node.js, Ruby, Java, Python. Technologies included Amazon AWS (EC2, RDS, ECS, Route 53, and many others), jQuery, Backbone.js, Require.js, Google Maps, OpenLayers, Chef, Docker, Vagrant, LESS, MediaWiki, SemanticMediaWiki, React.js, PostgreSQL, Postgis, MySQL, Taiga, Gitlab, Cucumber, Hubot, Checkmarx, Android (Java), Android Native Client.

## **YourSolutions.net, LLC, Sandy, UT — *Software Engineer***

AUGUST 2011 - FEBRUARY 2012

While at YourSolutions I worked as a software engineer, focusing on new feature development and architecting technical plans. I also acted as the systems administrator, the company and dev team being small, using OpenStack to operate our private cloud on company hardware. Before leaving I worked through rewriting the code base from using a Perl-CGI web application to a modernized Python-Django project.

Worked primarily with Perl, Python, and JavaScript; touching on PHP and Ruby. Technologies included Amazon AWS, MySQL, OpenStack, Ubuntu Cloud.

## **Revetto, Zeeland, MI — *Software Architect***

MAY 2007 - JANUARY 2012

A great startup idea that received funding from Momentum-MI. Like any startup, I had multiple roles in this company from programming and developing the product to managing the company finances and meetings. Directly managed the team and development of the project. Handled finances and estimated time for tickets. Architect the backend and frontend and integrate various APIs.

Worked with PHP, JavaScript, Python and Ruby. Technologies included Mongo, MooTools (JS), MySQL, OAuth, OpenID, Prototype JS, Selenium, POP3, SMTP, and Comet (Reverse Ajax; forerunner to Web Sockets). Worked with APIs provided by Facebook, Google, Last.fm, MySpace, OpenSocial, Orkut, Twitter and many others.

## **Polytechnic Institute of New York University, Brooklyn, NY — Helpdesk Technician**

JANUARY 2006 - JUNE 2010

I did customer support for students and faculty for laptops and occasionally desktops. I did both hardware and software repairs and troubleshooting.

## **Advanced Wargame Systems, Bronx, NY — Owner**

JANUARY 2006 - JUNE 2010

Small startup during college designing, developing, and manufacturing embedded systems for milsim airsoft guns. Later renamed to Black Talon Concepts.

## **I Train Me, Brooklyn, NY — Chief Technical Officer**

OCTOBER 2007 - MARCH 2008

Small startup developing a service to provide high quality, scripted and thorough video tutorials from trained professionals. Hired and managed a team of 4 engineers. Worked primarily in PHP with a focus on high availability and video streaming. Used FFMPEG for video transcoding, screenshots and streamlining admin panel for providers to upload their instructional videos.

## **EDUCATION**

### **Polytechnic Institute of NYU, Brooklyn, NY — Bachelor of Science, Computer Engineer**

2006 - 2011

## **CERTIFICATIONS**

### **CompTIA Security CE — May 2015 - May 2018**

### **SECRET Clearance — January 2016 - January 2018**

## **SKILLS AND TECHNOLOGIES**

### **Languages**

C# (2 years)  
C++ (6 year)  
HTML/CSS (15 years)  
Java (4 year)  
JavaScript (14 years)  
PHP (10 years)  
Perl (11 years)  
Python (6 year)  
Ruby (3 years)  
Scala (1 years)

### **Libraries**

Backbone.js  
Wordpress (PHP)  
Google Closure (JS)  
Google Maps  
MediaWiki (PHP)  
MooTools, Prototype (JS)  
OpenLayers  
Require.js  
jQuery (JS)  
Rails (Ruby)  
React.js  
Mason (Perl)

### **Platforms**

Amazon AWS  
Amazon MWS  
Apache, Nginx  
Digital Ocean  
Docker  
Enterprise PostgreSQL  
Server  
Linux Admin.  
(Debian-based)  
MSSQL Server  
MongoDB  
MySQL Server  
OpenStack  
Apache, Nginx

### **Tools**

Atom (IDE)  
Chef (CM)  
Grunt / Gulp  
Cucumber  
Selenium  
Eclipse (IDE)  
Android Studio (IDE)  
Git, Github, Gitlab  
Sublime Text (IDE)  
Subversion (SVN)  
Vi, Vim  
Jira, Taiga