

# Jeremy Simkins

100 Uno Lago Drive Unit 304 Juno Beach, FL 33408

Phone: 239.214.1969 E-Mail: [SoN9ne@gmail.com](mailto:SoN9ne@gmail.com)

## Profile

Jeremy Simkins is a self-taught accomplished senior web developer with ten years in the production field. Experienced PHP developer as well as a passionate software engineer; Jeremy specializes in: code optimization, performance enhancement, and new technology implementation. While also being active in the open source community, he's been developing projects on his free time as well as being a mentor for beginning programmers. Jeremy Simkins, an extremely quick learner, has the skillset and experience to meet any projects deadline. Jeremy is willing to take on any challenge and isn't afraid to learn new languages or techniques to tackle any task that may be given.

Jeremy is currently a full-time student working towards his Associate of Arts with a concentration in Information Technology/Programming (AAIT) and is already looking forward to earning his Bachelor of Science in Information Technology/Software Engineering (BSIT/SE).

## Experience

### Programmer - 1450 Inc / EHR Scope LLC

June 2009 - Present

Informs, educates, and compares the EMR/EHR industry. The company also helps doctors find the right EMR/EHR software for their practice. Current web-based platform is proprietary and written in PHP4 using MySQL as the database.

#### ■ Responsibilities

- Manage design team.
- Maintain multiple systems.
- Evaluate, optimize, and secure current platform code.
  - Current system is 1.5GB in file size.
- Optimize, restructure, cleanup, and repair current platform database.
  - Database size is 4GB with 132 tables.
  - Database has multiple tables with over a millions of records.
- Integrate new technologies into current platform.
- Design scalable framework for current and future company needs.
- Design EMR/EHR comparison software to replace current system.
- Consultant for outsourced project and company needs.

#### ■ Workload

- Maintain five separate systems while maintaining short deadlines and developing new systems.
  - All systems are written in PHP.
- Developing a custom scalable object-oriented framework.
  - Using PHP, Javascript, and AJAX.

- Developing EMR/EHR comparison software.
- Secured current platforms code from SQL injections, session hijacking, and session fixation attacks.
- Improved current platform code to be approximately 300% faster.
- Repaired all warnings, notices, and errors in current platform.
- Optimized current platform code to be up-to-date with latest standards
- Implementing scalable architecture to current platform.
- Expanding current platform to handle heavier workloads until the new platform is complete.
- Moved current platform from an IIS server to Linux
  - Over 20% of the system had to be modified for the move
  - Major components of the platform had to be modified to work on a Linux environment

### **Programmer - JJJ Process Corporation**

**January 2009 - June 2009**

A debt collection firm using proprietary web-based software to manage debt accounts. Core platform is encrypted code from a previous programmer and company was not able to decrypt it. Code is written in PHP4 and used a MySQL database.

#### ■ *Responsibilities*

- Improve current systems performance and code while working around encrypted systems.
- Develop new system to replace the current.
- Handle all IT related office issues.

#### ■ *Workload*

- Worked in team environments.
- Helped organize the office networking system.
- Setup and maintain office computers and IT work orders.
- Designed core of platform for managing pretrial's nationwide.
  - Optimized team code (PHP, Javascript, and AJAX)
  - Cleaned code of warnings, errors, and notices.
- Debugging live, heavily used, environments.
- Upgraded and rewrote 20% of the current software.
- Implemented scalable architecture to a custom platform.
- Developed custom import utility to ease the workflow of the imports department.
- Consultant for scalability, new technology implementation, and code optimization.

**Lead Programmer – RSS Pieces Inc / Dev Element LLC****May 2007 – December 2008**

A blogging company that sold blogs to real-estate agents and brokers. The blogging platform was based off of an open-source OOP project called B2Evolution and was heavily modified to be a blog management system that specialized in SEO. Started as an entry-level programmer and was rapidly moved to the lead programmer position. Relocated with company after merger. Helped rebrand the company and came up with the new company name Dev Element.

**■ Responsibilities**

- Expand current platform using the latest new technologies.

**■ Workload**

- Working with PHP programs using Javascript and AJAX.
  - System also used: json and SOAP REST methods.
- Developed multiple new systems for the platform.
  - Friends system
  - Notification system
  - Private messaging system
  - Custom page/form generator system
    - This system was one of the most useful and widely used tools in the platform and had a high satisfaction and ease of use feedback.
  - Avatar system
  - New user object
  - New security object
  - Social networking site integration tools
  - Real-estate tools
    - Home comparison tool
    - Geo location tools
    - Home evaluation tools
- Debugging in live environments.
- Increased platform security.
- Working with strict short deadlines and directing multiple projects.
- Accommodating additional ideas and workflow procedures with the design and marketing departments as well as providing training for the programming team.
- Recoded over one million lines of code to improve performance, stability and reliability of the platform.
- Improved platform performance by almost 400%.
  - Removed warning, notices, and errors in code.
- Managed programming and design teams to meet project deadlines.

- Consultant for platform improvements: scalability, database management, code optimization and new technology implementation.

**Freelance PHP Web Developer and Designer / SoN9ne Programming**

**January 2001 – Present**

■ *Responsibilities*

- Design PHP sites/systems for clients

■ *Workload*

- Development of web applications and websites.
- Development of custom CMS.
- Script debugging
- Code optimization and new technology implementation.
- Giving code improvements and suggestions for other programmers.
- Teaching techniques to inspiring programmers.
- Consultant for new technology implementation.

## Education

**Axia College of University of Phoenix**

- AAIT

**March 2009 – Present**

**Cypress Lake High School / Center for the Arts**

**1996 – 2000**

## Technical Skills

- PHP
- MySQL
- (X)HTML
- XML
- Javascript
- AJAX
- Regex
- .htaccess
- OOP
- SVN
- MAMP
- WAMP
- LAMP
- Terminal / cmd
- FTP
- Windows (98, ME, XP, Vista, 7)
- Mac OS X (Panther, Tiger, Leopard, Snow Leopard)
- Zend Studio v5.5.1
- Notepad++
- EditPlus
- CS2-4
- Office

## Specialties

- Code optimization, performance, and new technology implementation

- Script debugging
- Database management
- User permission systems
- Social networking systems
- Markup validation
- Webmaster
- phpBB
- sweetCron
- b2evolution
- Wordpress
- Smarty template engine
- Technical writing
- Consulting

## URLs

- <http://jeremysimkins.com> - Personal website
- <http://mpsmod.com> - Open source project
- <http://www.rsspieces.com> - Developed system
- <http://www.develementllc.com> - Developed system and built custom tools for the platform
- <http://younoob.net> - Designed custom backend tools
- <http://pixil.info> - Site dedicated to helping beginners. Site is also used as a portfolio for myself and other members of the site.
- <http://www.scvrma.org> - Built custom CMS to manage sites content.
- <http://mypretrials.com> - Designed core of system and minor backend components.
- <http://jilprocess.com> - Upgraded current system and improved system performance.
- <http://emrconsultant.com> - Rewrote entire system and wrote custom form handling methods.
- <http://ehrscope.com> - Rewrote system and improved system performance.
- <http://ehrTV.com> - Upgraded current system and wrote custom tools for the front and backend.
- <http://speechrecognition.com> - Updated system to be more efficient and faster response time.

## Further Information

References and samples available upon request.