

Joe Marrero

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Objective

I am a US-citizen seeking to work on some interesting problems.

Specialties

- C++, C, C#, Ruby, Python, Java, Visual Basic.
- ASP.Net, PHP, JavaScript, jQuery, XHTML/HTML.
- SQL: Microsoft SQL and MySQL.
- MFC, .Net, GTK+, Qt, OpenGL, Alias Maya 6.5
- Source Control Systems: SVN, Hg, CVS, Perforce.
- Amazon EC2, Amazon S3, Amazon SDB
- Graphics programming in OpenGL.
- Strong understanding of data structures and databases.
- Strong math background.

Education

B.S. in *Computer Science*. Overall GPA: 3.572, Cum Laude
[Florida International University](#) (Miami, Florida)

B.S. in *Mathematical Science*. Overall GPA : 3.565 , Cum Laude
[Florida International University](#) (Miami, Florida)

Work History

Manager and CEO, FAP Services LLC.

Jul. 2009 to Apr. 2010

- C, PHP, and JavaScript development.
- PHP Extension development and modifications in C
- Designed a FastCGI framework for C web applications
- Designed scalable web applications using [Amazon Web Services](#)
- Developed an affiliate and support system from start to finish
- Wrote tools and web applications in support of the largest dating website in Europe

Software Engineer, Darkside Game Studios

Oct. 2008 to May 2009

- C++ development.
- Worked on gameplay code for TBA Unreal 3 project.
- Worked on two TBA Wii titles using proprietary technology.
- Worked on 2K Marin's internal build system used for Bioshock 2
- Designed and implemented multiple systems including 3D path-finding.

Software Engineer, Myxer

Oct. 2007 to Oct. 2008

- Developed and fixed bugs on Myxer's flagship product, MyxerTones.
- Worked on code that supported ringtone delivery of over 9 million users.
- ASP.Net / C# development.
- Setup, configured, and administrated Myxer's Amazon EC2 hosts.
- Implemented Myxer's Amazon EC2 version of the Media Server that leverages existing open source tools (PHP, et cetera) for scalable media transcoding.
- SQL development in production environment.
- Developed code on the front line of the mobile space.

OPS Computer Programmer, School of Computing and Information Sciences at FIU Oct. 2006 to May 2007

- Designed, documented, developed, and tested web-based applications, middleware, and systems tools.
- Maintained existing web applications using PHP, Ruby, and Perl.
- Developed Heartbeat web monitoring application for the IBM sponsored LA Grid project (<http://www.latinamericagrid.org/>).

Contractor, Crisis Management, Inc.

Aug. 2006 to Sep. 2006

- VBA development in Microsoft Access.
- Developed forms, queries, and reports.
- Improved upon existing bare-bones database.

Technical Contractor, Dr. Notes, Inc.

Jun. 2005 to Sep. 2005

- Wrote special documents that contained tags that were parsed by Dr. Notes software.
- Wrote programs to support individual client environment.
- Offered support for clients running UNIX.

UTS Field Engineer, Florida International University

Sep. 2002 to Apr. 2003

- Offered support for software, hardware, and network issues encountered by university faculty on a network of 15,000 nodes and 8,000 users.
- Configured network printers and other hardware.
- Provided weekend assistance for the VoIP cut-overs and second day support.
- Solely offered support for UNIX machines.
- Worked with a team of field engineers to resolve several network wide issues.

References

Available on request.