

Greg Donald

gdonald@gmail.com

615-300-0833

Currently

I am currently employed with [CallProof, LLC](#) in Nashville, TN, programming in Python, Django, and Java on PostgreSQL database servers deployed to the cloud. Duties include research and development of new mobile applications using the Android platform.

Education

BMIF 310: Foundations of Bioinformatics

Dates of study: Fall Semester 2008

Audited Foundations of Bioinformatics at Vanderbilt University, an introduction to algorithms and concepts fundamental to the field of bioinformatics

Navy Nuclear Power School

Dates of study: 1991 - 1992, Graduated

Main studies included Nuclear Physics, Turbine Propulsion, Nuclear Power, Chemistry and Physics. Acquired Naval Nuclear Qualifications.

Navy Nuclear Field A-School

Dates of study: 1990 - 1991, Graduated

Main studies included Mechanics, Thermodynamics, Hydraulics, Machinery, Electricity, Electronics, Algebra, Physics, and Chemistry. Achieved the advanced rank of E-4 after graduation. Acquired the designation of "Machinist Mate."

Experience

CallProof, LLC

Chief Computer Scientist

Nashville, TN

March 2011 — Current

Currently employed with CallProof, LLC, programming in Python, Django, and Java on PostgreSQL database servers deployed to the cloud. Duties include research and development of new Android-based mobile applications.

Vanderbilt University - Center for Human Genetics Research

Systems Software Specialist

Nashville, TN

September 2007 — March 2011

Was employed with the Center for Human Genetics Research at Vanderbilt University, programming in Ruby, Ruby on Rails, PHP, and Java on Oracle and

MySQL database servers deployed to RedHat Linux servers. Duties included research and development of new web applications using the Scrum development methodology, behavior driven development, and technologies such as jQuery, Capistrano, RSpec, Cucumber and Git. Worked on a large-scale genetics research application to manage genetics resources throughout the computational genomics core.

StudioNow
Programmer/Web Developer
Brentwood, TN

September 2006 - September 2007

Was employed with StudioNow, programmed in Python, Django, and PHP on MySQL and SQLite databases. Duties included research and development of new site features using Scrum/Extreme Programming methodologies and cloud computing technologies such as Amazon EC2, Amazon S3 Storage deployed to CentOS Linux servers.

Centerstone Behavioral Health
Development Programmer/Webmaster
Nashville, TN

October 2005 - September 2006

Was employed with Centerstone Behavioral Health, programmed with Ruby, Ruby on Rails, and PHP using PostgreSQL, Oracle, and MySQL database servers deployed to Suse Linux servers. Duties included continued development and maintenance of internal company intranet sites. Used Scrum programming methodology and test driven development techniques to transition a large electronic medical record project from Java/Oracle to Ruby on Rails/PostgreSQL.

Digital Dog
Programmer/Web Developer
Nashville, TN

December 2004 - October 2005

Was employed with Digital Dog, Inc., programmed with PHP, C#, and ASP.net, using MSSQL and MySQL database servers. Duties included developing and maintaining client-based projects using the waterfall development style.

Vaco Technology / Nu-kote International
Programmer/Web Developer
Franklin, TN

August 2004 - December 2004

Was employed with Vaco Technology / Nu-kote International, programmed with PHP, using PostgreSQL and MySQL database servers deployed to Debian GNU/Linux. Duties included re-building world-wide internet project management software. Used the Mojavi model-view-controller framework and PHP5's object-oriented architecture.

Ascendant Media
IT Manager
Nashville, TN

November 2000 - June 2004

Was employed with Ascendant Media, a multimedia and marketing company, running the Top 50 Internet Property EZSweeps.com. Duties included management of 7-member team, development of new site features written in PHP and Perl, and systems administration of about 40 Suse Linux servers running MySQL, Apache, and PowerMTA. Provided web site project management support, client technical support, web direction, database management, and software management.

AB Studios
Programmer/Systems Admin
Nashville, TN

April 1996 - November 2000

Was employed with AB Studios, a design & advertising agency, working on various e-commerce sites in PHP and Perl on mSQL and MySQL deployed to RedHat Linux servers. Duties included managing Linux servers, new web site design, development and programming, database server management, and PC/LAN management and support. Converted office LAN from ISDN/Token Ring to Cable/Ethernet.

U.S. Navy
Machinist Mate 3rd Class/E4
Orlando, FL, Groton CT, Kings Bay, GA

June 1990 - June 1995

Served as U.S. Navy Machinist Mate 3rd Class (E4) with Nuclear Qualifications. Duties included maintenance of submarines, nuclear propulsion systems, fire-control systems, and hydraulic systems. Attended Nuclear Power School, Nuclear Field "A" School, and Submarine School. Received Honorable Discharge June 1995.

Publications

[Jacks or Better on Android](#)

Published on: 2010-05-24

Jacks or Better simulates classic video poker and is written in Java to run on the Android OS. Features include standard draw poker, betting options, vibrate and sound effects. Includes free access to leaderboard and stats tracking.

[BlackJack Pro on Android](#)

Published on: 2010-01-10

BlackJack Pro simulates classic Vegas style Blackjack, is written in Java to run on the Android OS. Features include nine different card counting systems, five skill levels ranging from Rookie to Card Shark, multi-deck shoes, double down, split, insurance, even money, shuffle, easy-change betting ranges, multiple table colors, vibrate and sound effects. Includes free access to leaderboard and stats

tracking.

[BlackJack Trainer on Android](#)

Published on: 2009-12-31

BlackJack Trainer is a training tool written in Java to run on the Android OS. Provides training for improving BlackJack card counting skills. Hand advantage analysis provided using any one of nine different card counting systems.

[Battleship Pro on Android](#)

Published on: 2009-12-27

Classic Battleship played against a computer opponent, written in Java to run on the Android OS. Features include random fleet layout, ten opponent skill levels, and leader board.

[Seven Square on Android](#)

Published on: 2010-01-27

Seven Square is a puzzle game where you turn all the colored squares off. Race against the clock for the best time. Seven Square is a fun time-waster.

[My Fortune on Android](#)

Published on:

myFortune is written in Java to run on the Android OS, shows you random fortunes and other words of wisdom and humor.

[QuickPicker \(PB\) on Android](#)

Published on: 2009-10-31

Quick Picker (PB) is written in Java to run on the Android OS, provides a utility for quick picking Powerball lottery numbers and viewing the latest winning Powerball pick.

[Quick Picker \(PB\)](#)

Published on: 2008-08-16

Quick Picker (PB) is written in Objective C for the iPhone OS, provides a utility for quick picking Powerball lottery numbers and viewing the latest winning Powerball pick.

[myFortune](#)

Published on: 2008-07-14

myFortune is written in Objective C for the iPhone OS, shows random fortunes and other words of wisdom and humor.

[RailsDB](#)

Published on: 2008-06-09

RailsDB is a web application written in Ruby using the Ruby on Rails web framework, provides a generic interface to popular open source databases such as MySQL, PostgreSQL, and SQLite. Currently under heavy development.

[Destiney Rated Image Script](#)

Published: 2005-05-11

Rated Images is a web application written in PHP for use with MySQL 4 or 5. Allows visitors to list pictures and have them rated by others. Allows members private messages and comments. Other features include mix/match section and member reviews.

[Destiney Lottery Script](#)

Published: 2005-03-19

Destiney Script's Lottery script is a free open source PHP/MySQL web application, helps pick 'lucky' Powerball Lottery numbers. Random quick picks use statistical logic based on previous winning numbers to inversely weight results for better 'random' picks. The latest winning Powerball results can be imported as well.

[Destiney DB Session Script](#)

Published: 2003-03-24

Destiney DB Session Script is simple framework to assist the PHP applications developer in handling secure, efficient, database driven PHP sessions within a larger PHP application. Is a drop-in replacement for default PHP session handling, does not require php.ini modification.

[Destiney Links Script](#)

Published: 2001-07-29

Destiney Links Script is an open source free script written in PHP for use with MySQL. Provides a pre-built, dynamically generated, links site. Links tracks referrers in and out for listed sites. Links provides site categorization infinite levels deep.

[Destiney Topsites Script](#)

Published: 1999-05-01

Destiney Topsites Script is an open source free script written in PHP for use with MySQL. Topsites provides a pre-built, dynamically generated, traffic gathering topsite. Features include http-referrer as well as cookie based anti-cheat devices, full admin interface, gateway-less entry, and random site selection.

Reference Sites

[Destiney.com](#)

Personal hobby/blog site, written in Ruby, Ruby on Rails, and jQuery using MySQL deployed to Debian GNU/Linux servers.

[Center for Human Genetic Research, Vanderbilt University](#)

The Center for Human Genetics Research deciphers the genetic basis of rare and common human traits, to integrate this knowledge into the diagnostics, treatments, and preventions of human disease. Written in PHP and MySQL using Zend Framework and jQuery, deployed to RedHat Linux servers.

[International Multiple Sclerosis Genetics Consortium](#)

IMSGC.org is a collaborative web site aimed primarily at scientists working on multiple sclerosis and related diseases. Written in PHP and MySQL using Zend Framework and jQuery, deployed to RedHat Linux servers.

[Caste Contractors](#)

Provides corporate support for residential home sales. Written in PHP and MySQL, deployed to CentOS Linux servers.

[Med Center Today](#)

MedCenterToday enhances the careers of academic medical center faculty by providing context and methods for understanding the unique business aspects of academic medicine. Written in PHP and Bash using MySQL, deployed to CentOS Linux servers.

[No Regrets Movie Page](#)

Home page for No Regrets Movie. Written in PHP and MySQL, deployed to Suse Linux servers.

[Filmhouse.com](#)

Home page of Filmhouse company of Nashville. Programmed 100%.

[Centerstone Behavioral Health](#)

Provides support for Centerstone Behavioral Health which provides a full range of mental health services, substance abuse treatment, and related educational services for people throughout the Middle Tennessee region. Written in PHP and MySQL, deployed to Debian GNU/Linux servers.

Software

I've created a fairly exhaustive list of the major software applications, languages, and operation systems I have experience with and would enjoy working with again in the future.

	Experience	Last Used	Mastery
Programming Languages			
Android	2 years	Current	7/10
Ruby	6 years	Current	8/10
Ruby on Rails	5 years	Current	8/10
Python	3 years	Current	7/10
Django	3 years	Current	6/10
PHP	12 years	Current	9/10
HTML/XHTML	14 years	Current	9/10
XML	9 years	Current	7/10
CSS	12 years	Current	9/10
Javascript	9 years	Current	8/10
Perl	4 years	2001	5/10
Java	4 years	Current	6/10
C	5 years	Current	4/10

C++	2 years	2007	2/10
Objective-C	2 years	2009	3/10

Unix Server Software

Apache Server	11 years	Current	8/10
Oracle	4 years	2011	5/10
Postfix	7 years	Current	6/10
PostgreSQL	8 years	Current	7/10
MySQL	12 years	Current	9/10

Operating Systems

Debian GNU/Linux	8 years	Current	8/10
Ubuntu Linux	5 years	Current	7/10
FreeBSD	8 years	Current	5/10
RedHat Linux	8 years	Current	7/10

Certifications

[Zend Certified Engineer](#)

Certified: 2004-09-30

After programming in PHP for many years, I decided to get certified. As the PHP company, Zend has established the industry standard in PHP certification that recognizes PHP expertise. The PHP certification exam encompasses curriculum criteria specified by the Zend PHP Education Advisory Board as essential to demonstrate expert proficiency in PHP.

[MySQL Core Certification](#)

Certified: 2005-06-20

After using MySQL for many years, I decided to get certified. The MySQL Certification Program is a high quality certification program that provides developers and DBAs with the credentials to prove they have the knowledge, experience and skills to use and manage MySQL Server.

Personal Notes

Open Source Advocate

I support the free and open source software movements.

I am a member of [The Free Software Foundation](#).

I am a member of [The Linux Foundation](#).

I am a member of my local [Linux User's Group](#).

Alternate Online Version

Web 2.0