

MARIAN C. BUFORD

Acworth, Georgia

marian@mariancbuford.com
<http://mariancbuford.com/resume>

HIGHLIGHTS OF QUALIFICATIONS

- An Information Technology professional with proven expertise in full life-cycle application development and server administration with varied platforms and environments
- Outstanding analytical and critical thinking skills with the ability to devise and implement creative technical solutions that return cohesive long-term results
- Self-starter with the ability to multi-task in fast-paced environments
- Reputation for strong leadership in a team environment

Languages: PHP, SQL, HTML, XML, Javascript, Java, JSON, CSS, Shell scripting, Python, Perl, Lotus Formula/Script

Operating Systems: Windows, Linux (CentOS and Fedora)

Frameworks/APIs: CodeIgniter, Dojo Toolkit, jQuery, Google Maps, Twitter, Facebook, Bootstrap

Server Software: Apache, MySQL, IBM Lotus Domino, CouchDB

Tools: Visual SlickEdit, NetBeans, Subversion, Bugzilla, Redmine, Mantis, Git

Other: Adobe Photoshop, and Illustrator, SSH Secure Shell, PuTTY, MySQL Workbench

EXPERIENCE

StarPound Technologies, Atlanta, Georgia

March 2014 – present

Director of Integration

Was commuted from Senior Developer of Teledini to Director of Integration for StarPound in early 2014. This role entails overseeing business analysts, UX designers, developers, and system engineers to coordinate the design, development, integration, and deployment of custom call center and workflow applications that are built upon the StarPound platform as well as upgrades and enhancements to the UX components of the StarPound platform itself.

Duties include coordinating with current customers such as DHL Critical Parts, BMC Software, and Videa (a Cox Cable company), to design, install, and maintain the custom applications that are cloud-hosted by StarPound and provide various levels of integration with the customers' various communication systems.

This role requires working directly with and providing IT industry mentoring for business analysts, developers, graphic artists, and system engineers located in the StarPound offices in Atlanta and in St. Petersburg, Russia.

Additional duties include providing ad hoc Java and PHP development of Java applets for integration of third-party services such as Zendesk, Kannel SMS Gateway, and customization of StarPound's Wordpress-based website including data migration from a previous Drupal version of the website.

Teledini, Atlanta, Georgia

July 2012 – March 2014

Senior PHP Developer

Assisted this Atlanta-based startup to build a sound development and production architecture while providing various as-needed development services and mentoring a group of interns and developers in a variety of IT disciplines including general best practices in development and server/service administration procedures.

The environment requires exercising skills in PHP, MySQL, Javascript, HTML5, CSS3, Java, jQuery, Twitter Bootstrap, Zurb Foundation. The position also requires an understanding and ability to work with several third-party products and providers including Twilio, Bandwidth, StarPound, Stripe, and PayPal.

Among the sub-projects are these highlights:

- An ongoing project to develop a middle-ware API for internal and external customer use in consuming demographic and other statistical data. This PHP/MySQL/CouchDB module also provides several data connection and manipulation services for the Teledini product.
- An ongoing effort to provide a centralized service for increasing the efficiency of routing and maintaining communication services across the various systems and protocols.
- Working with internal and external developers to integrate WebRTC and XMPP into a major upgrade to the existing product offering.
- A custom Application with statistics API to provide the business with visibility and flexible management of the back-end services required in support of the Teledini infrastructure.
- Refactored DID call routing to utilize SIP in lieu of PSTN, resulting in increased end-to-end call response times and substantially lowered per-minute VOX costs.
- Support and extend the Java-based business logic model required by the StarPound Technologies, Inc. service which is used to support Teledini's SIP/DID call routing.
- Refactoring of the site on an ongoing basis, case by case basis, in order to migrate the underlying data to MySQL from CouchDB in areas where a structured data requirement is preferable given the target model, while leaving in place those data which benefit more from the non-SQL structure.

Conservation Resource Solutions, Inc. & New Frequency, Inc., Cumming, Georgia
Senior PHP Developer

October 2009 – June 2012

Hired to maintain and extend the metered data application created while at Rearview Advertising in 2007/2008 as well as several new efforts.

- Refactored the extensive library of PHP OOP classes used to model five-minute interval metered data in order to allow its components to be lazy loaded. This increased the efficiency and load time of bringing thousands of points of data to the user through common Internet browser clients while rendering an RIA that leveraged Javascript and Flash charts.
- Stabilized, secured, internationalized, and maintained a Python/MySQL application used for tracking and alerting the status of wireless remote wildlife trap monitoring devices. This project utilized the Django framework on Apache along with Dojo Toolkit for Javascript functionality.
- Redesigned and ported Python/MySQL application to PHP/MySQL. Extended functionality included a daughter application targeting Android smart phones and tablets, iPads and iPhones.
- Developed several PHP applets to extend the trap monitoring application. Mini projects included:
 - A selection of cron-initiated command-line PHP and Shell scripts for tasks such as twice daily quality control reporting via email.
 - Utility applets to fill reporting and functionality gaps during a transition of the trapping application to its new architecture.

International Plant Nutrition Institute, Norcross, Georgia
Information Technology Manager

April 2008 – October 2009

Provided web-based and internal Lotus Domino development and system administration for internal clients and systems in over eleven countries; services provided both remotely from the Georgia based office and at client locations. The various projects required the use of PHP, MySQL, Lotus Formula and LotusScript, Javascript, ActionScript and Flash. The primary duties of the position entailed supporting and expanding upon a well established and diverse Lotus Domino-based library of applications. This position also required providing a full battery of IT services to staff members both as a remote service from the Norcross office and on site in the various countries.

Rearview Advertising, Acworth, Georgia
Senior PHP Developer / LAMP Administrator

September 2007 – April 2008

Designed and developed Internet-based applications for both internal and external clients using PHP, MySQL, Javascript, HTML and CSS. Projects required extensive use of OOP and AJAX.

- Designed, developed and deployed the porting of a metered data energy usage management portal from ASP and VB/VB Script to PHP, MySQL and Javascript. The project required extensive use of advanced relational database query techniques and both functional and object-oriented development methodologies.
- Provided administration and installation of various CentOS, Fedora, and Windows servers.

United Technologies (Fire & Security Division), Norcross, Georgia
Senior Systems Analyst, Programmer, Administrator

August 2002 – April 2007

Provided full life-cycle programming and server administration of global Lotus Notes/Domino environment including systems integration using vbScript, Microsoft Visual Basic, Microsoft Access, Microsoft SQL and C# applications as required by the task being addressed for this 400-user, 35-server, global environment with offices in 16 countries.

- Deployed LAMP (Linux, Apache MySQL, PHP) server and Open Source CMS software to support Intranet environment. Developed custom PHP, MySQL enhancements and modules to extend the application as well as customized HTML and CSS templates to address the special needs of the environment.
- Numerous full life-cycle application design and development projects were undertaken and successfully implemented. These projects addressed a broad range of the company's needs. The applications were created using Lotus Notes or PHP, and integrated MySQL server, MS SQL server, vbScript, and C#. Representative categories of the applications developed are:
 - Utility applications to address security, internal audit and Sarbanes-Oxley needs
 - Administration applications to ease reporting and manipulation administrative data such as LDAP and usage and security logs
 - Customer support request applications to address needs of internal and external clients
 - Personnel change management applications for communication of new, changed, and terminated personnel information
 - Bug tracking, product, and project management applications
- Conducted analysis of existing Lotus Notes applications to determine their stage in the life-cycle and reduced the existing catalog of 400 applications to fewer than 100 through aging and consolidation. This resulted in reduction of support overhead and markedly improved server performance.

Wyrme Development & WyrmeNet, Roswell, Georgia
Programmer/Administrator (Part-Time & Contract)

October 2001 – September 2007

Engaged in short-term projects to provide Internet application development, database administration, and web server administration for small start-up companies while building LAMP development skills. These projects leverage various languages and techniques including extensive PHP, HTML and CSS use with AJAX enhancements. Among these projects:

- Designed and developed an e-commerce application to specifications which are unique to the automotive parts sales industry utilizing PHP, MySQL, HTML and CSS.
- Provided systems analysis and development for a real-estate listing search database and website with integrated CMS.
- Provided PHP, MySQL and CSS customization for various open source shopping cart and forum initiatives and assisted with administration of LAMP environment in support of several production websites.

- Modified and developed customization modules for various open source shopping cart and forum initiatives and provided administration in support of several LAMP production websites using PHP, MySQL and CSS.
- Conducted server installation, CISCO firewall configuration, workstation support, and administration for Windows, Linux, and Novell servers.

Dennis and Company Research, Atlanta, Georgia

October 1998 - October 2001

Information Technology Manager

Primary duties spanned administration, workstation support and development for this small company with offices in four states. Tasks included:

- Administration and hardware support for Windows-based Compaq and IBM servers
- LAN/WAN administration and support
- Determining client and server infrastructure needs
- Coordinating subsequent purchasing, software and hardware installation, troubleshooting and maintenance of all workstation and server computers

Among the successfully designed, developed and implemented projects using Lotus Notes' Formula language, LotusScript, Command language, and HTML as appropriate, three were particularly well received by the company:

- Internet Opinion Survey database for a large national volunteer organization. Project was well received by the client and commended for quality, usability and expeditious delivery, thus opening doors for future online survey development.
- Database for internal tracking of demographic data for survey candidates. Final database was commended by Project Managers for usability and overall design. Application caught attention of competitive organization which prompted negotiations for purchase of the application.
- Marketing survey sample management and de-duping applications enabling 99.9% sample accuracy within drastically reduced timeframe from conventional methods.

The Coca-Cola Company, Atlanta, Georgia

August 1996 - October 1998

Programmer/Application Support Specialist

Began with the company as an application and workstation technician for a 600 client, multi-year, laptop-dependent, ERP implementation project.

- Promoted to Lotus Notes application programmer in 1997.
- Provided full life-cycle support and development of a multilingual suite of Lotus Notes applications in response to gap analysis in support of the company's years-long ERP Project that consisted of over 600 project team members.
- Coordinated with various corporate Lotus Notes support and server administration groups to implement and maintain security, and database deployment standards for the project.

Workstation support duties included building standard laptop and desktop software images, asset and security management, working with various corporate and vendor service providers to install LAN and voice cabling, diagnosing and repairing physical, protocol and application-layer networking problems in LAN and WAN, and installation and integration of Novell and NT-based Notes servers into the corporate network.

Client-focused duties included new user orientation and training and ongoing troubleshooting and support of end-user workstations.

EDUCATION & TRAINING

American InterContinental University, Hoffman Estates, Illinois

- Current Studies: B.S., Information Technology – Programming, 2007
- A.A., Business Administration, 2006

Kennesaw State University CE, Kennesaw, Georgia

- Microsoft Networking Essentials, 2000

New Horizons, Atlanta, Georgia

- Exploring the New Features in IBM Lotus Domino 6 Administration, 2003
- Lotus Notes Application Development (1 & 2), 1998
- Lotus Notes Development (1 & 2), 1998
- Developing Applications with LotusScript, 1998

Philip Cosby Associates, Kennesaw, Georgia

- Total Quality Management (QWG)

LICENSES & CERTIFICATION

- Federal Communications Commission Amateur Radio Service license: Technician Class 2012. Call sign KK4IZL
- Microsoft Certified Professional Systems Engineer (MCSE), 2000
- Microsoft Certified Professional plus Internet (MCP+I), 2000
- Microsoft Certified Professional (MCP), 2000
- IBM Certified Associate (IBM CA), 1998