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
Operating Systems:	Windows, Linux (CentOS and Fedora), iOS
Frameworks/APIs:	CodeIgniter, Django, Dojo Toolkit, jQuery, Google Maps, Twitter, Facebook, Bootstrap
Server Software:	Apache, MySQL, CouchDB, NGINX
Tools:	VS Code, Eclipse, Subversion, Git, Redmine, Mantis, Jira, Confluence
Other:	Adobe Photoshop, and Illustrator, SSH Secure Shell, PuTTY, MySQL Workbench

EXPERIENCE

86Borders, LLC., Atlanta, Georgia   July 2016 – present
Vice President of Information Technology

While working at StarPound a relationship was built with 86Borders which, over time, matured from a part time to permanent role. The less-technical duties of the position involve managing customer and vendor relationships including identification and implementation of new technical vendors required for the complex 86Borders infrastructure and working with team members to facilitate healthy customer relationships. The environment requires working closely with all team members including advising C-level executives navigating technical decisions and guiding product management, system and software engineers as they fulfill the delivery needs as defined by the business.

The day-to-day duties have involved:

- Directing and managing three senior software engineers locally in the U.S. and co-directing a team of 15 offshore engineers, developers, and technicians.

- Writing, reviewing, and providing final approval of technical specifications for developers while acting as a technical filter between business analysts and the development team.

- Collaborating with operations and software engineers to assess new tools such as frameworks, testing suites, and productivity tools.

- Working closely with HIPAA compliance officer and operations engineers to direct best practices to ensure HIPAA compliance and other security best practices are observed and maintained.

- Providing assistance to customer developers who consume the various 86Borders APIs for their applications.

- Utilizing a variety of tools such as:

  - Atlassian Jira and Atlassian Confluence for managing workflow and collaboration in a mixed Agile/Sprint and Agile/Kanban environment,

  - MySQL Workbench and Sequel Pro for working with the various databases,

  - SSH terminals, grep, Nano, Vi for working with the various Linux instances,

  - Postman for API consumption and testing, and

  - Visual Studio Code and Eclipse.

References and additional non-relevant experience, education, and training available on request.

Current and ongoing projects include:

- Reviewing and preparing proofs of concept for assessing feasibility of introducing newer technologies which currently include Go programming language and Progressive Web Applications into the environment,

- Collaborating with senior engineers and operations personnel to migrate components from the Java monolith into micro services,

- Designing and developing MySQL tables and queries in support of financial billing modules integrated into the various systems and re-factoring to support the changes in the needs of the business,

- Designing and maintaining MySQL tables for existing databases,

- Providing reports and analysis of various metrics stored in MySQL databases across multiple systems,

- Designing, and collaborating on efforts to create new, and improve existing, APIs including porting legacy SOAP APIs to REST.

Past projects include:

- Collaborated and directed local developers with learning how to work with:

  - GIT on AWS CodeCommit following a migration from SVN,

  - unit testing frameworks appropriate for their various platforms (iOS, Android, and Auralia Javascript framework),

  - 86Borders and Third-party APIs, and

  - productivity and time tracking tools.

- Developed stored procedures specifically for sanitizing, normalizing, and importing legacy data from a flat Microsoft Access database into a relational 20-table MySQL database utilizing a single procedure call to initiate the suite of stored procedures.

- Programmed various tools and proofs of concept utilizing Java, Javascript, NodeJS, HTML, CSS including a proof of concept Salesforce plugin utilizing JavaServer Pages (JSP) to consume various REST and SOAP communication APIs (SIP and SMS).

StarPound Technologies, Atlanta, Georgia   March 2014 – October 1, 2017
Director of Integration

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

Duties included 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 were cloud-hosted by StarPound and provided various levels of integration with the customers' various communication systems.

This role required 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 included providing ad hoc development of Java and PHP 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   October 2009 – June 2012
Senior PHP Developer

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   April 2008 – October 2009
Information Technology Manager

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   September 2007 – April 2008
Senior PHP Developer / LAMP Administrator

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.

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