

**Resume**  
**Burdette Lamar**  
**July 2017**

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## Summary

### Software Test Automation Professional / Zealot

- ✓ Seasoned OOP practitioner
- ✓ Architect
- ✓ Designer
- ✓ Implementer
- ✓ Documentor

### Tools

- ✓ MS Coded UI Test
- ✓ Watir-Webdriver
- ✓ Froglogic Squish

### Languages

- ✓ Ruby
- ✓ C#
- ✓ Python

## Experience

- Developed automated testing for web applications, Windows applications, and REST and SOAP APIs.

## Technical Skills

- OSs: Windows, Linux.
- Scripting languages: Ruby, Python, Perl.
- Compiled languages: C#, C++.
- Data formats: XML, HTML, MS Excel.
- Tools: Coded UI Test (Selenium/WebDriver), TFS, Squish, Visual Studio, Test::Unit, Watir-Webdriver, Savon, REXML, XPath, Fiddler2, Git/Github, MS Office, RubyMine IDE.

## Current

Jan 2017 – Present

**Community Developer:** Primary contributor to GitHub project [BurdetteLamar/RubyTest](#). Thus far: example REST API testing.

## Recent

Oct 2014 – Jan 2017

**Senior Software Engineer**, R1Soft/Continuum, Houston TX

Founded Ruby-based automated test framework: architecture, design, implementation, and documentation, to test REST and SOAP web services:

- Created 100+ test classes, comprising 12000+ verdicts.
- Created 250+ endpoint classes that fully encapsulate each endpoint in the target REST APIs.
- Created 50+ request classes that fully encapsulate each request in the target SOAP API.
- Created 100+ data classes that fully encapsulate the data objects for the target applications.
- For all classes, made extensive use of base classes to avoid redundancy and increase reliability.
- Implemented clients for REST APIs, SOAP API, Jenkins API, GitHub UI.
- Implemented tests to monitor changes in target application's definitions and documentation: WSDLs, WADLs, GitHub markdown pages.
- Incorporated 30+ Ruby gems, including `bundler`, `contracts`, `mail`, `minitest`, `nokogiri`, `rest-client`, `savon`, `spreadsheet`, `watir-webdriver`.
- Created 40+ Rake tasks to execute tests, generate reports, and generate framework documentation (RDoc).
- Created 40+ GitHub markdown pages documenting the framework.
- Implemented XML test logging:
  - Nested sections (coded in the test) allow the test to "tell its story," both in the test code and in the log. Each logged section has a timestamp and a duration.
  - Each verdict is fully explicated: verdict-type, expected and actual values, outcome, analysis of certain differences.
  - Any unexpected exception is caught and logged.
  - Summaries give:
    - Counts of verdicts: passed, failed, blocked.
    - Counts of calls to REST endpoints and SOAP requests.
- Implemented custom reporting. Changes Report (heavily-linked HTML) details differences from previous test run. History Report (spreadsheet) details history for each verdict.
- Developed code in RubyMine IDE, performing continuous code inspection to eliminate errors and warnings.
- Implemented 200+ helper methods, to make coding tests easy and reliable.
- Beginning in 2015, trained and led a small offshore team in furthering in-depth testing of the target applications.

## Previous

Nov 2013 – Oct 2014	<p><b>Test Engineer</b>, Aquent (contractor in Hewlett-Packard), Houston TX</p> <p>Founded C#-based automated test framework: architecture, design, implementation, and documentation, to test web applications; used MS Coded UI Test (CUIT).</p>
Mar 2011 – Aug 2013	<p><b>Test Engineer</b>, Bluware (contractor in Shell Oil), Houston TX</p> <p>Developed and maintained Python-coded automated tests and supporting libraries for testing Windows applications; used Froglogic Squish, a tool for testing Qt-based GUI applications.</p> <p>Developed custom reporting, deriving HTML change reports and Excel history reports from XML test logs.</p>
Oct 2008 – Aug 2010	<p><b>Test Engineer</b>, Emlogis, Houston TX</p> <p>Founded Ruby-based automated test framework: architecture, design, implementation, and documentation, to test web applications; used Ruby gems httpclient, many others.</p>
Apr 2007 – Oct 2008	<p><b>Test Engineer</b>, Encomia, Houston TX</p> <p>Founded Ruby-based automated test framework: architecture, design, implementation, and documentation, to test web applications; used Watir (Web Application Testing in Ruby).</p>
Jun 2000 – Apr 2007	<p><b>Test Engineer</b>, NetIQ, Houston TX</p> <p>Founded Perl-based automated test framework: architecture, design, implementation, and documentation, to test a proprietary interface.</p> <p>Developed C++ .Net API testing for core libraries.</p>

## LinkedIn References

These recent recommendations may be seen on [LinkedIn](#):

Burdette was our lead engineer who built our automation testing framework for our BDR product. He started with a blank sheet of paper and created something that the core developer are now using to test their new capabilities and features. Burdette was an absolute pleasure to work with and a man of many talents including enjoying building tools that are being used internally to improve our organizations ability to execute. He is a great asset to any engineering team.

-- **John Mandel, SVP of Engineering**, Continuum Managed Services

Burdette built a test automation framework that is used to execute 12,000 tests daily in Continuum. In addition to features common to most test automation frameworks - ease of creating tests, running test suites, and reporting on results, it is the first framework I've seen that recognizes the challenges of keeping a large test suite "green" through a reporting interface that focuses on "deltas" from the previous run.

This thoughtful, pragmatic approach to testing epitomizes the problem solving that I've learned to expect from Burdette. By thoughtfully considering how the solution will be used, he is able to anticipate issues that wouldn't otherwise be seen until much later on in the process. Instead, he brings his experience and pragmatism to produce the right solution the first time.

-- **John Stauffer, Chief Architect** at Continuum Managed Services, LLC

## Blog

- Home page: [Burdette's Test Blog](#)
- Some posts:
  - [Watchwords](#)
  - [Keep Your Page Objects DRY](#)
  - [Clean and DRY Verifiers](#)

## GitHub Project

- [RubyTest](#), the beginnings of a Ruby test framework.

## Education

- B.A. and M.A. in English, Stetson University.
- M.S. in Mathematics, Stetson University.

## Military

- Sergeant E-5, United States Army.