

## **Ryan James Noelk**

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### Current Address

26830 Saxony Way Apt 307

Wesley Chapel, FL 33544

### **EDUCATION**

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**University of South Florida** – Tampa, FL

GPA: 3.85

B.S. Computer Science

May 2013

### **EMPLOYMENT**

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**Verizon Data Services** – Tampa, FL

**System Engineer/Tools Developer**

June, 2013 – Current

- Used Python and PHP to create a data mining application using REST interfaces to construct automated reports from many different data logging systems.
- Employed Oracle Business Intelligence to create dynamic, real-time reporting and data analytics capabilities.
- Created a PHP web framework for test case automating. The key functionalities enabled with automation include test cases execution, work-order order emulation, service virtualization, and system interface testing. This includes test planning, tracking, and post-run analysis.
- Created an automated system for categorizing and validating data points to facilitate smooth test execution, release after release. For use within SIT and UAT testing.
- Developed small web plug-ins to assist with automation and manual testing.
- Developed a simple yet effective process management tool with PHP which simplifies complex work orchestration and allows real-time visibility for the management team to monitor and track any actionable items.
- Developed custom JSON server/client in Python to automate system health checks and monitor resource usage of 100+ servers.

**Aerosonic Corporation** – Clearwater, FL

**Quality Assurance Intern**

December, 2011 – October, 2012

- Updated Acceptance Test Protocols for existing test cases and procedures.
- Supported production and quality departments with code deployments and production monitoring.
- Participated with code reviews and unit testing.
- Developed test cases for stall warning systems.

### **SKILLS**

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- 2+ years experience developing LAMP web applications using the MVC model with PHP and Python.
- 2+ years experience with Relation Databases, primarily MySQL and SQLite.
- Experience using the Django Python and Phalcon PHP web frameworks.
- Experience with handling and managing large data sets within MySQL.
- Test script creation, management, and execution with Selenium in JUnit and PyUnit.
- Familiar with working inside Linux terminals (Debian/Ubuntu, RedHat).
- Understanding of client side web technologies (CSS, SASS, SCSS, JavaScript, jQuery, Bootstrap, DataTables).
- Experience working within the Oracle Enterprise Suite.
- Used HP's Quality Center to report, track, and manage defects.
- Employed primary CVS/GIT as a versioning control system.

### **RELEVANT EXPERIENCE**

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**Web-Based Team Ladder** (<https://ryannoelk.com/>)

- Dynamic/fun ranking system for a group of players with match/player history.
- LAMP stack architecture built using Django web framework.
- Utilizes replay file decoding for quick match submission and uses game data for in-depth analysis.
- For a summary of how the ladder works, visit: <https://ryannoelk.com/HowITWorks/>
- Source code available on GitHub: <https://github.com/RyanNoelk/ClanLadder>

**To view other projects and code samples visit my GitHub profile** (<https://github.com/RyanNoelk>)