

Ryan James Noelk

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EDUCATION

University of South Florida – Tampa, FL

GPA: 3.85

B.S. Computer Science

May 2013

EMPLOYMENT

TriBridge – Tampa, FL

Software Engineer Consultant

August, 2016 – Current

- Worked with the Human Capital Management team to develop custom features for large Cornerstone clients.
- Lead team that built and is maintaining a set of common reusable APIs for interfacing and collecting data from 3rd party vendors.
- Created a data processing system using Postgres SQL and Python. This allowed millions of records to be processed in minutes instead of hours.
- Updated and maintained old systems with a variety of architectures to preserve high availability.
- Streamlined the development life cycle by utilizing Docker. This not only made deploying code more robust, but also simplified the learning process for new hires.
- Built highly functional and stable APIs in Django using Django Rest Framework.

Simply Hired Inc. (simplyhired.com) – Sunnyvale, CA

Software Engineer

August, 2015 – July, 2016

- Worked with a small team to create and improve features for people seeking jobs. These features were created by using primary Django, jQuery, and SCSS. Our site sees 30 million monthly users and we are active within 24 countries.
- Redesigned and converted template language from DTL to Jinja. This improved speed, performance, reliability, and, most importantly, our users' experience.
- Updated much of the site from Bootstrap 2 to Bootstrap 4 and jQuery 1.7 to jQuery 2.1.
- Redesigned features of the site to be more user friendly on mobile devices.
- Created selenium test infrastructure for testing desktop and mobile sites. The infrastructure was set up with python PyUnit and custom class structure to speed up testing and regression test creation.
- Added significant performance enhancements to reduce search engine results page from 2 seconds to less than half a second.
- Supported product team by setting up various A/B tests and proving input on new designs. These tests help to determine which designs are best received by the users.

Verizon Data Services – Tampa, FL

System Engineer/Tools Developer

June, 2013 – August, 2015

- Used Python and PHP to create a data mining application using REST interfaces to construct automated reports from many different data logging systems.
- 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 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

- 5+ years experience developing web applications and APIs using the MVC model with PHP and Python.
- 5+ years experience using Javascript with jQuery/React.
- 5+ years experience with handling and managing large data sets within SQL (MySQL/PostgreSQL).
- Experience using the Django Python, Phalcon PHP, NodeJS/Express web frameworks.
- Experience with Frontend tools and modules like Webpack, Redux, and Flux.
- Experience optimizing Apache, Nginx and, Gunicorn to host web apps.
- Test script creation, management, and execution with Selenium in JUnit and PyUnit.
- Familiar with working inside Linux terminals (Debian/Ubuntu, RedHat).
- Experience with CSS preprocessors (SASS, SCSS, LESS).
- Used Caching layers like Memcached and Redis.
- Experience managing and working within Docker containers using Docker Compose.
- Used HP's Quality Center and JIRA to report, track, and manage defects.
- Employed primary CVS/GIT as a versioning control system.

RELEVANT EXPERIENCE

Open Eats (<https://food.ryannoelk.com/>)

- OpenEats is a recipe content management site that allows users to create, share, and store recipes.
- Built with Django Rest Framework as a backend and React (with flux) as a front end.

Sudoku Web App (<https://sudoku.ryannoelk.com/>)

- Play randomly generated Sudoku puzzles from your computer, phone, or tablet.
- LEMP stack architecture, built using Django web framework.
- Created utilities to generate, solve, and check any square Sudoku puzzle.

Web-Based Team Ladder

- 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.

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

Or my website: (<https://ryannoelk.com>)