Daniel Joseph Gempesaw

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Experience

Sharecare, Inc.

Software Testing Architect	2013 - Present
QA Architect	2012 - 2013
QA Engineer I & Build Manager	2011 - 2012

Honeydew: Browser automation framework. Perl, PHP, AngularJS, Appium & Webdriver

- Created an in-house Perl framework for desktop browser and native mobile app automation
- Created monitoring system to alert when critical production functionality tests failed
- Created front end in AngularJS with websockets for realtime interaction, dashboard summary views
- Included automated screenshot comparison and analytics testing via Browsermob Proxy
- Spun off modules as OSS projects on CPAN

Other tools: Kabocha (REST API Testing framework) & Squash (site crawler). Perl, PHP/jQuery, MongoDB, MySQL

- Created a Perl framework & webUI for automated testing of our internal REST APIs
- Created a crawler for our production websites, scanning 1.5+ million pages with daily email reports
- Persisted data to MySQL for trend analysis: comparing builds, or the performance of a single page

Manual QA Testing: JIRA, Confluence

- Performed manual cross-browser & mobile app testing on a daily basis, testing stories and documenting bugs in JIRA with extensive screenshot and .gif evidence
- Composed regression documentation from bugs and product requirements

Talks

The road to Appium: Teaching our Webdriver Framework new Appium tricks. Appium NYC Roadshow, 2014 Aug.
An Introduction to AngularJS Sharecare Lunch & Learn, 2014 July.

Skills

OSS: Authored Appium (CPAN), Browsermob::Proxy (CPAN), Selenium::Screenshot (CPNA), grunt.el (MELPA). Maintaining Selenium::Remote::Driver (CPAN), ido-vertical-mode.el (MELPA)
Remote: Over a year of successful remote work with iterative remote communication improvements
Languages: Perl, elisp, Javascript (ES6), PHP, bash. Previously, Ruby, Rails, CoffeeScript, HAML, Scala, LaTeX, and Python
Hobbies: Ultimate Frisbee, bass & guitar, technical blogging, computer games

Education

Georgia Institute of Technology 2008 - 2011

- M. S. in Mechanical Engineering
- Thesis: "A multi-resolution discontinuous Galerkin method for rapid simulation of thermal systems"
- Presented "A Review of Wavelet-Based Algorithms for Applications in Reduced Order Modeling of Thermal Management Systems" at NATO RTO-MP-AVT-178 conference in Bucharest, Romania.

University of Delaware 2004 - 2008

- Honors Bachelor of Mechanical Engineering, Magna Cum Laude
- Honors Bachelor of Science in Mathematics, Magna Cum Laude
- Minor in Phyiscs