

Daniel Gempesaw

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Experience

Sharecare, Inc.

Framework and Tools Architect	2017 - Present
Sr Software Testing Architect	2014 - 2017
Software Testing Architect	2013 - 2014
QA Architect	2012 - 2013
QA Engineer I & Build Manager	2011 - 2012

Maestro: Abstraction layer for Kubernetes. Node, React, Docker, Kubernetes, CI/CD

- Created internal platform & docs for migrating services to Docker & Kubernetes
- Created Node RESTful microservices, CLI tools, & React frontend as abstraction layer for K8S API
- Deployed Drone CI & Sonatype NXR in Kubernetes with automated backup & restore solutions
- Frequent OSS contributions via PRs whenever possible
- Participated in Agile processes, including scrum ceremony via JIRA, Confluence, etc

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

- Created an in-house Perl framework for browser and native mobile app automation
- Created front end in AngularJS, including websocket-enabled REPL for realtime interaction
- Created automated screenshot comparison and analytics for handling UI regression
- Open source: Spun off modules as public projects on CPAN

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

- Created a Perl backend framework & frontend for automated testing of our internal REST APIs
- Created a crawler for our production websites, scanning 1.5+ million pages with daily email reports
- Pioneered internal usage of Gatling for performance & load testing

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

Languages & Tools: Node, bash, Golang, elisp. Previously, Scala, Perl, PHP, Ruby, Python.

Remote: Over a year of successful remote experience, with deliberate study of effective communication

OSS: On CPAN: Appium, Browsermob::Proxy, Selenium::Remote::Driver, Selenium::Screenshot. On MELPA: grunt.el, ido-vertical-mode.el, etc

Hobbies: Ultimate Frisbee, bass & guitar, technical blogging, snowboarding

Education

Georgia Institute of Technology 2008 - 2011

- M. S. in Mechanical Engineering: "A multi-resolution discontinuous Galerkin method for rapid simulation of thermal systems"

University of Delaware 2004 - 2008

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