

# 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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