

# JOHN MYRDA

## Software Engineer and Hardware Hacker

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### EXPERIENCE

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#### Collective Health

*Software Development Engineer in Test*

*San Francisco, CA*

*Jan 2019 - Present*

- Built and extended end-to-end and load testing Java test frameworks for our claim processing system.
- Created monitoring tooling in Python to observe RabbitMQ messages and generate domain sensitive diffs.
- Practiced Test Driven Design on Spring Boot based micro services in order to improve system accuracy.
- Built data transformation pipeline to enable parallel accuracy testing between old and new claims systems.

#### Cloudmark

*Software Development Engineer in Test*

*San Francisco, CA*

*Oct 2015 - July 2018*

- Wrote Python and bash based tools to automate software release workflow.
- Wrote automated tests in a custom Python test framework.
- Set up multi-system test environments with Docker and VMs to run tests and analyze performance.
- Investigate bugs using C source code, REST APIs, a Python test harness, and Linux debugging tools.

#### Wells Fargo

*Automated Regression Analyst*

*San Francisco, CA*

*Feb 2015 - Oct 2015*

- Built RESTful APIs for web tools with JAX-RS/Jersey, Jackson, and SQL.
- Architected web tools for the regression testing team with Java and the Google Web Toolkit (GWT).
- Analyzed failures of Selenium tests for Wells Fargo mobile websites and fixed errors in test scripts.

#### UIUC Engineering IT

*Helpdesk IT and Linux Specialist*

*Urbana, IL*

*Jan 2013 - August 2014*

- Provided user support for Linux issues in the College of Engineering.
- Maintained documentation for Engineering IT Linux distributions and common technical tasks.
- Managed training and schedules for 12 Help Desk student staff members.
- Created web tools with PHP, MySQL, and JavaScript to monitor printer supply levels, access warranty information, and track equipment check-outs.

### EDUCATION

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#### University of Illinois Urbana-Champaign

Bachelor of Science in Engineering Physics

Minor in Computer Science

*December 2012*

### SKILLS

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**Programming Languages:** Java, Python, C, C++, JavaScript

**Technical Skills:** PCB design, Soldering, Arduino & AVR Microcontrollers, Git & SVN, Jenkins CI, REST API Testing, Spring, Kubernetes

### PROJECTS

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#### Led Pattern Library

I wrote a library of patterns and light controller software to use with a lightbox I built as well as similar LED projects. This library allowed me to quickly iterate on new ideas for physical builds while retaining a high level of polish in the animation and patterns.

#### Midi Drum Lights

Built a multi-device light controller for colorful real-time visualizations of an electronic drum kit using MIDI , 2 Arduino devices, and the i2c protocol.