

Jon Hermansen

SOFTWARE DEVELOPER IN TEST

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Summary

Customer-focused engineer with a background in web development. Over ten years of professional experience, specializing in web application testing, with a knack for finding unusual bugs using exploratory practices and automated tooling. Open source advocate who enjoys programming and experimenting with new technology. Interested in all aspects of software processes, from conception to delivery.

Skills

Programming languages	TypeScript, JavaScript, Python, Perl, Shell, SQL
DevOps tools	Jenkins, Docker, Vagrant, Puppet
API frameworks	Express, Flask, Django
UI frameworks	Angular, React

Work Experience

Mimecast (Cybersecurity)

Lexington, MA

SENIOR UI QA ENGINEER

June 2019 - January 2021

- Lead tester on a security training and phishing simulation product (Angular).
- Updated and maintained the existing automation using Protractor (JavaScript).
- Built out new end-to-end and component-level automation using Cypress (TypeScript).
- Responsible for the testing and overall quality of product components.
- Identified and communicated technical issues, risks and inter-component dependencies.
- Highly involved in development, code reviews, configuration management, and deployments.
- Frequently assisted other departments in supporting the platform and products.

Eze Software (Financial technology)

Boston, MA

SENIOR SOFTWARE ENGINEER IN TEST

November 2017 - August 2018

- Created and expanded automated regression tests using Protractor (JavaScript).
- Worked to improve the automated build and test gates of a portfolio management product.
- Identified XSS bugs and other input handling issues in a customer-facing web application.
- Refactored an in-house testing tool, increasing consistency across test runs and our confidence in the results.
- Set up a system to track test flakiness over time, and a dashboard to indicate how test health was trending.
- Participated and presented in cross-functional QA meetings, collaborating with engineers working in other verticals.

Verizon Digital Media Services (Content delivery network)

Los Angeles, CA

SOFTWARE DEVELOPER IN TEST

August 2015 - February 2017

- Lead tester on a project integrating Verizon's CDN services with Microsoft Azure Portal.
- Developed testing frameworks and tools from scratch (JavaScript, Python).
- Contributed to existing testing frameworks and tools (C#).
- Created comprehensive test strategies for proposed HTTP APIs and user interfaces.
- Developed test cases and plans for current and new products.

Pi-Coral (Block storage appliance)

San Jose, CA

MEMBER OF TECHNICAL STAFF

September 2013 - August 2015

- Implemented features and bug fixes across the entire product.
- Designed and deployed CI (Jenkins) infrastructure.
- Responsible for builds, deployments, automated regression and performance testing.
- Developed a RESTful API for appliance management (Python).
- Updated in-house Cinder driver for use with OpenStack cloud compute platform (Python).

Media Temple (Web host)

Los Angeles, CA

QA ENGINEER

July 2010 - September 2013

- Created automated tests to exercise internal and customer portals (Perl).
- Configuration management and library development to support it (Puppet, Ruby).
- CI systems development.

IBRIX (Clustered file system)

SOFTWARE DEVELOPER & QA ENGINEER

Billerica, MA

January 2007 - November 2008

- Developed a native, cross-platform GUI client to interact with a RESTful API.
- Triaged bugs and identified feature regressions.
- Created, maintained and troubleshoot test scripts (Perl).
- Installed and maintained build and test environments.

Extracurricular Activity

Jenkins Area Meetup

Los Angeles, CA

CO-ORGANIZER

Mar. 2016 - Mar. 2017

- Logistical duties: planning, coordinating with businesses, sponsors, and speakers.
- Social media: actively promoting and engaging with community members to gather interest.

Open Source

DEVELOPER & TESTER

2004 - Current

- **github.com/jenkinsci** (Java, Docker): Maintainer of a Jenkins plugin. Wrote automated functional tests and fixed previously existing issues. Worked with contributors to merge their changes, then built and deployed new versions of the plugin for general availability. Contributed security updates to the official Jenkins Docker image.
- **github.com/Homebrew** (Ruby): Updated build formulae to new versions of upstream software. Improved compatibility of build recipes with “fat” (multi-architecture) binaries. Enhanced tooling to discover recipes that have drifted out-of-sync with upstream releases.
- **github.com/sahlberg/libiscsi** (C): Identified and fixed logical issues in iSCSI protocol conformance tests. Contributed a patch to report test results in JUnit XML format. Updated documentation to describe this new functionality.
- **github.com/metabrainz/picard** (C): Fixed Big-endian support in music fingerprinting software, so that it can run on a PowerPC Mac.

Presentation

Los Angeles Jenkins Area Meetup

Los Angeles, CA

PRESENTER

Apr. 2016

- Walked through the configuration of a Jenkins instance intended for testing web applications.

Certifications

2016 **Cloudbees Jenkins Platform Engineer**, CloudBees

San Francisco, CA

2016 **Jenkins Engineer**, Jenkins Project

San Francisco, CA

Honors

2003 **1st place**, Worcester Polytechnic Institute Invitational Math Meet

Worcester, MA

2003 **Award**, Continental Mathematics League

Littleton, MA

Education

Fitchburg State College

Fitchburg, MA

GENERAL EDUCATION

2004-2005