Nathan Weinberg

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EDUCATION

Boston University, Boston, MA   May 2019
B.A. in Computer Science, Minor in Film and Television
- GPA: 3.56
- Presidential Scholarship
- Relevant Coursework: Computing Systems, Advanced Software Systems, Software Engineering, Introduction to Databases, Data Mechanics, Embedded Systems

SKILLS
- *Programming*: Python, Go, Groovy, Bash, TypeScript, YAML, HTML/CSS
- *Database Management Systems:* MySQL, PostgreSQL, MongoDB
- *Tracking Systems:* Bugzilla, Jira, Trello, Polarion
- *Other Technologies*: Git, Jenkins, Ansible, Docker, Podman, Jekyll, Vagrant, VirtualBox, Linux

EXPERIENCE

Red Hat, Boston, MA
Senior Software Quality Engineer   July 2022 – Present
Software Quality Engineer   July 2020 – July 2022
Associate Software Quality Engineer   July 2019 – July 2020
- Create and maintain jobs in Jenkins CI to test a variety of topologies and scenarios for Red Hat cloud products, such as Red Hat OpenShift Container Platform and Red Hat OpenStack Platform
- Write and maintain code for several internal tools used in CI pipelines to perform product installations, execute automated tests, and report on testing results
- Triage CI pipeline builds by investigating infrastructure failures and test results that may indicate product bugs
- Lead cycles for weekly z-stream releases by conducting automated testing of release candidate builds and working with component teams to ensure the build is of acceptable quality prior to being released to customers

VOLUNTEERING

TransitMatters, Boston, MA
Volunteer   Sept 2020 - Present
- Volunteer with TransitMatters Labs campaign, which seeks to give the public better access to MBTA performance data
- Contribute and review code for a variety of open-source TM Labs applications, such as the New Train Tracker and Data Dashboard

Tufts University, Medford, MA
Guest Lecturer   Nov 2019 – Oct 2020
- Gave guest lecture for Tufts University Computer Science course COMP118 - "Cloud Computing" in Fall 2020. Spoke to students about OpenStack - what it is, how it works, and where it fits into the world of cloud computing
- Gave guest lecture for Tufts University Computer Science course COMP150 - "Debugging Cloud Computing" in Fall 2019. Spoke to students about "Debugging at the Application Level" and the Quality Engineering process used at Red Hat for Red Hat OpenStack Platform, one of the Red Hat cloud computing offerings