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

SKILLS

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

EXPERIENCE

Red Hat, Boston, MA

Senior Software Quality Engineer — July 2022 – Present

- Owner of Performance and Scale test case development and execution for Network Observability, an operator for Red Hat OpenShift Container Platform which provides a quick way to monitor and troubleshoot network issues in OpenShift clusters
- Conceptualized and constructed an end-to-end system for running Performance and Scale testing of Network Observability and sharing test results to stakeholders such as Developers and Technical Writers

Software Quality Engineer — July 2020 – July 2022

- Designed and built the Dynamic Baremetal Cluster Section (DBCS) system in Jenkins with IRC monitoring integration, which doubled utilization of baremetal resources for automated installation and testing of Red Hat OpenStack Platform by the OpenStack QE Enterprise and System Testing team
- Led initial automation of test cases in Golang for the OpenShift QE Performance & Latency Sensitive Application Platform (PSAP) team and created training materials around the process

Associate Software Quality Engineer — July 2019 – July 2020

- Created Jeeves, an open-source automated email report generator for Jenkins written in Python, that was adopted by six OpenStack QE teams and received contributions from over a dozen collaborators on GitHub
- Developed and optimized Jenkins jobs used by the OpenStack QE Ceph Squad to execute various automated regression tests of Red Hat OpenStack Platform integration with Red Hat Ceph Storage

Boston University Spark!, Boston, MA

Lecturer — Sept 2022 – Dec 2022

- Co-instructed DS/CS 519 - “Spark! Software Engineering X-Lab Practicum” course, which is designed to give students the opportunity to work on real-world software projects from partner clients in the Boston area, providing them with practical software engineering experience prior to entering the work force
- Shared responsibility for writing course content, grading assignments, and conducting lectures and office hours twice a week

VOLUNTEERING

TransitMatters, Boston, MA

Volunteer — Sept 2020 - Present

- Contribute and review code for a variety of open-source TM Labs applications, such as the New Train Tracker and Data Dashboard
- Wrote initial CI and CD systems for several TM Labs applications using free open-source tools such as GitHub Actions and Ansible to automatically lint and deploy applications to AWS EC2 and Lambda, allowing us to minimize cloud compute overhead costs to the organization