SWAPNA BHIDE

swapnabhide01@gmail.com | (857) 389 - 8925 | Boston, MA

WORK EXPERIENCE

Motorola Solutions   **Feb. 2020 – Present**
Senior Software Developer, Team Lead   *Somerville, MA*
- Designed and developed robust and maintainable Python-based tools aimed at streamlining software and hardware product testing processes
- Successfully led the migration of four legacy systems to modern Python frameworks, while also transforming a monolithic test framework into Jenkins-driven plugins. This strategic overhaul effectively eliminated technical debt and resulted in a notable 70% reduction in maintenance overhead
- Spearheaded the creation of multiple CI/CD pipelines, utilizing Azure, Jenkins, Docker, and Python to ensure the ongoing health of test cameras and the integrity of new firmware builds through periodic checks
- Drove automation expansion initiatives by identifying and capitalizing on novel opportunities to integrate diverse in-house libraries within the automation suite
- Championed the implementation and propagation of sound engineering practices, including the adoption of unit testing using pytest and rigorous code reviews
- As Scrum Master: Orchestrated Agile ceremonies, collaborated on Product Backlog, optimized delivery commitments and sprint planning for continuous improvement

Scout Exchange   **Mar 2018 - Feb 2020**
Software Development Engineer in Test   *Boston, MA*
- Automated tests using Behave, Selenium, and Python, notably expediting testing
  - Reduced regression testing time from one week to just 3 hours with automated tests
  - Pioneered initial suite of automated CI tests, enhancing continuous integration efficiency
  - Launched initial automated tests with new data API, setting automation precedent
  - Simplified QA Analyst tasks with a data creation API wrapper, boosting productivity
- Designed a QA Dashboard with Flask and Jinja for tracking Jenkins jobs and QA activities e.g. regression tests, automated smoke jobs, manual tests
- Mentored and coached junior engineers through pair programming, code reviews and office hours, fostering learning, growth, and team performance

Scout Exchange   **Apr 2015 - Mar 2018**
QA Analyst   *Boston, MA*
- Developed comprehensive test strategies aligned with product owner requirements
- Strategically executed regression, integration, and application-level tests to ensure software quality
- Led a team of 3 for evaluating different test management systems

RSA Security, Security Division of EMC   **Jan 2014 - Aug 2014**
QA Engineer, CO-OP   *Burlington, MA*
- Designed test cases for XML-based log-parser modules that decode raw logs from various network event sources into categorized information that can be used to generate alerts for malicious user activity

Care.com   **Jun 2013 - Aug 2013**
QA Intern   *Waltham, MA*
- Designed and composed automated test cases for websites of care.com using Selenium IDE

KPIT Cummins Infosystems   **Jun 2013 - Aug 2013**
Software Engineering Intern   *Pune, India*
- Led a team of four to develop a framework for 'Customer Satisfaction' reports

EDUCATION

Northeastern University   **Jan 2015**
Master of Science in Computer Science   *Boston, MA*

University of Pune (Indira College of Engineering)   **May 2011**
Bachelor of Engineering in Information Technology   *Pune, India*
- Received President's Award for Academic Achievement
- Vice-president of IT students association

SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS, Java, GraphQL
Technologies: Jenkins, Docker, AWS, Azure, JMeter, MongoDB, PostgreSQL, Git, pytest, Postman
Frameworks: Selenium, Flask, Behave, Cucumber
Other: Agile, Bash, pandas, NumPy, BDD, TDD