**FINAL JOB DESCRIPTION FOR PERM PROCESS**

**DATE:** November 27, 2017

**EMPLOYEE’S NAME:**  Roshni Pattath

**JOB TITLE:** Senior Quality Engineer

**MANAGER’S NAME:** Kaushik Banerjee

**JOB LOCATION:**  100 E. Davie Street Raleigh, NC 27601

**EB Classification: EB-2**

**Number of Direct Reports:** 0

**JOB SUMMARY:**

Report testing status, identify areas of risk, and, when necessary, assist fellow engineers in resolving issues related to the Identity Management product..

**JOB DUTIES:**

* Plan and implement automated test strategies, methodologies, processes, and procedures
* Improve and optimize tools and techniques to enhance quality of testing.
* Investigate and recommend test-infrastructure tools to support the quality engineering methodology, processes, and procedures
* Analyze product source code and work with development counterparts to propose appropriate test strategies for the product subsystems
* Perform manual and automated tests for the Identity Management product
* Develop test automation tools and develop and maintain automated tests in accordance with department policies and processes.
* Execute tests and analyze failures.
* Develop product-wide test plans and cases.
* Develop and advocate the resolution of new bugs with developers and communicate the impact on customers to developers and support
* Interact with external/internal partners and customers regarding testing strategies and results
* Participate in and contribute to weekly team meetings and provide an accurate and timely status of testing efforts and quality metrics to the broader project team.
* Collaborate with customer support team in investigate and resolve customer cases.
* Communicate with other globally distributed quality engineers and developers working on related product.
* Mentor new team members and review Quality Engineering work of peers.

**MINIMUM EDUCATION REQUIREMENTS/DEGREE AND FIELD:**

Bachelor's degree (U.S. or foreign equivalent) in Computer Science or a related field

**MINIMUM YEARS EXPERIENCE REQUIRED:**

Five (5) years of experience in the job offered or in a related role.

Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.

**SPECIAL SKILLS AND/OR LICENSES REQUIRED TO PERFORM THE JOB:**

**Must have five (5) years of experience with:**

* Professional software testing within a Linux environment.
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
        + Fulltime - 05/07/2012 - 08/2012
        + Partime - 08/2012 - 12/09/2012
    - Quality Engineer - 12/10/2012 - 09/10/2017
      * F1 - CPT 12/10/2012 - 05/2013
        + Fulltime employee
      * F1 - OPT 05/2013 - 10/01/2013
        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Cryptography basics, Certificate Lifecycle management; Encryption & Digital Signatures; and Hashing
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
        + Fulltime - 05/07/2012 - 08/2012
        + Partime - 08/2012 - 12/09/2012
    - Quality Engineer - 12/10/2012 - 09/10/2017
      * F1 - CPT 12/10/2012 - 05/2013
        + Fulltime employee
      * F1 - OPT 05/2013 - 10/01/2013
        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Public key cryptography with smart cards that requires knowledge of security crypto tools.
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
        + Fulltime - 05/07/2012 - 08/2012
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    - Quality Engineer - 12/10/2012 - 09/10/2017
      * F1 - CPT 12/10/2012 - 05/2013
        + Fulltime employee
      * F1 - OPT 05/2013 - 10/01/2013
        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Linux commands and system administration.
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
        + Fulltime - 05/07/2012 - 08/2012
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    - Quality Engineer - 12/10/2012 - 09/10/2017
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        + Fulltime employee
      * F1 - OPT 05/2013 - 10/01/2013
        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Setting up LDAP and Kerberos servers and clients.
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
        + Fulltime - 05/07/2012 - 08/2012
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    - Quality Engineer - 12/10/2012 - 09/10/2017
      * F1 - CPT 12/10/2012 - 05/2013
        + Fulltime employee
      * F1 - OPT 05/2013 - 10/01/2013
        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Building and maintaining test environments and automating tests
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
        + Fulltime - 05/07/2012 - 08/2012
        + Partime - 08/2012 - 12/09/2012
    - Quality Engineer - 12/10/2012 - 09/10/2017
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        + Fulltime employee
      * F1 - OPT 05/2013 - 10/01/2013
        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Coding abilities using one or more of the following: Bash, Shell, Python or JAVA.
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
    - Intern - 05/07/2012 - 12/10/2012
      * F1 - CPT/OPT
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        + Fulltime employee
      * H1B - 10/01/2013 - 09/10/2017
        + Fulltime employee
* Provisioning and maintaining virtual machines using KVM or Docker containers or openstack.
  + Roshni - Gained experience as an Intern and Quality Engineer at Red Hat from 05/07/2012-09/10/2017.
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