Keisha Shepherd

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Summary

15 years of experience as a Sr. Test Engineer, Sr. Systems Engineer, Systems Engineer, and Satellite Systems Engineer. Skilled at automated testing, managing requirements, generating documentation, usability analysis, and testing. Experienced with scrum, agile, and waterfall processes.

Technical Skills

Ruby RSpec, Python, VMWare, Jenkins, Redmine, Agile, Scrum, SELENIUM, JMeter, Java, ECLIPSE, CLOUDBASE, HADOOP, HIVE, SIGINT systems, Version One, ClearQuest, Crystal Reports, Human Factors Usability and Design Analysis, Program Management, Windows, Unix, Linux, Perl, C, C++, XML, LAN/WAN, DOORS, and STK. She is also an expert in Microsoft Word (all versions), Excel (pivot tables and charts), PowerPoint, and Project.

Education/Training

- Bootcamp Certificate: John's Hopkin's University Full-Stack Developer Bootcamp - Oct 2019-Mar 2020: A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS
- MS Engineering Management, George Washington University, May 2006
- BS Electrical Engineering, Morgan State University, May 2003
  - Full Academic Honors Scholarship, PACE Program, Golden Key International Honours Society
- Agile Automated Testing, June 2017; API First Development, August 2015; Certified Scrum Master, January 2012; Attended Selenium Training, February 2012; Attended NDIA 13th Annual Systems Engineering Conference, October 2010; International Software Testing Qualifications Board, Certified Tester Foundation Level (CTFL), 2009; Human Factors International Usability Analyst Certification, 2009

Work History

InterConnect Defense - Sr Test Engineer: August 2018-September 2019

- Performed integration, component and system-level testing across multiple product lines, to include test plan development, authoring of test procedures, test environment configuration, test execution, and generation of test reports.
- Managed traceability of test procedures and software requirements using Testlink
- Developed test scripts in Python for automated testing of software functionality.
- Discovered and tracked software bugs in Jira and documented testing results in test reports
- Configured telecommunications equipment including switches, Private Branch Exchanges (PBXs), and Video Teleconferencing Equipment (VTCs)
- Analyzed TCP/UDP packets in Wireshark

Northrop Grumman – Automated Test Engineer / Sr. Systems Engineer: November 2014 – August 2018:

- Designed, created, executed, and refactored automated Ruby RSpec, Bash and Expect test scripts to perform integration and development testing against the command and control system utilizing Jenkins for continuous integration.
- Worked with internal and external development teams to fix issues identified with thorough testing of the command and control system with thousands of generated automated tests.
- Generated, reviewed, and updated end of sprint team documentation, wikis, and test reports
- Directed and lead sprint planning activities, daily standups, retrospectives, gather status on tasks and any internal and external issues as scrum master
- NG Community Service - STEM Mentor for Pikesville High School and Baltimore Leadership School for Young Women

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Sotera – Systems Engineer/Automated Test Engineer: June 2009 – September 2014
- Developed automated tests utilizing Thucydides framework, Selenium, and JUnit to improve test efficiency and effectiveness.
- Developed and executed System's Web User Interface, GM Cloudbase, Hive, and Hadoop Test Plans and Procedures based on Requirements and system capabilities
- Responsible for validation and verification of the integration of requirements, design, and technology for development of complex systems utilizing a JIRA workflow for our systems engineering, development, and testing processes
- Analyzed, generated, and distributed Requirements, Test Procedures, Test Results, Tickets, Daily Standup Notes, Scrum Meeting Notes, and Weekly Status Reports for complex systems and IEEE and 508 compliant systems
- Managed the tasks of the development and test teams, set up a process for completing work and addressing issues in a JIRA ticket tracking system, and managing and running Engineering Review Board (ERB)/Configuration Control Board (CCB) meetings

Lockheed Martin IS&S - Sr. Systems Engineer / Satellite Engineer: June 2003 – June 2009
- Tested Java and Perl software applications and reported bugs and discrepancies to the developers
- Generated and managed all full-lifecycle systems engineering documentation, such as CONOPS, systems requirements, user manuals, training plans, notes, and schedules for multiple operational software application
- Commanded a multi-million dollar spacecraft (AQUA) and ensured that the spacecraft was completely operational and all of the data collected by the spacecraft was cleanly dumped to Polar Ground Stations in Alaska and Norway
- Provided technical direction for on-orbit mission support and prepared for critical vehicle malfunctions with recommended alternate operating techniques to continue maximum mission support
- Trained new engineers on AQUA and AURA Online Engineer Activities, Flight Dynamics System (FDS), MMS, and Analysis systems
- Lockheed Martin Engineering Leadership Development Program Graduate

Proctor and Gamble - Summer Intern / 1st Level Manager - Diapers Launch: June 2002 – Aug. 2002
- Managed all electrical issues dealing with the Generation 2 Fully Automatic Case Packer.
- Acted as a single point of contact between Germany, Cincinnati, and Cape Girardeau Plant.
- Completed the electrical pre-startup inspection for the Case Packer.
- Executed the readiness template and collected all deliverables on time.
- Project Lead for Scrap Reduction Project on Diaper Lines.

SIECA Summer Intern - Microelectronic Signals and Systems Branch, Code 564, NASA Goddard Space Flight Center: May 2001 – Aug. 2001
- Designed a Galois Field Multiplier and Deinterleaver for the Reed-Solomon Encoder/Decoder chip, using VHDL code on Unix computer.
- Presented a 15-minute presentation to a group including Code 560 Electrical Systems Center Branch Head - John Day, composed an abstract and written report.