



CONTACT



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EDUCATION



2022

Advance Program in Cyber Security from Indian Institute of Technology, Kanpur, Uttar Pradesh

2019

B.Tech. in Computer Science Engineering from Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha

CORE COMPETENCIES



Software Testing

Defect Management

Product Testing

Incident Management

Scrum/ Agile Methodologies

User Acceptance Testing (UAT)

Test Cases/ Test Plans

Software Testing Lifecycle

Black Box Testing

Regression Testing

Quality Assurance

Cross-Functional Coordination

SOFT SKILLS



Communicator

Problem Solver

Innovator

Analytical

Team-oriented

Time Management

BHAWANI SHEEL

Senior R&D Test Engineer

OBJECTIVE



Detail-oriented Senior R&D Test Engineer with 5+ years of experience in software testing, automation, and quality assurance. Skilled in IAM, RBAC, LDAP, and cloud technologies (AWS, Open-ALM) with expertise in REST APIs, Selenium, Python, and CI/CD pipelines (Jenkins, GitHub, Azure DevOps). Proficient in IIoT protocols (Modbus, OPC UA, MQTT, PROFINET) and security testing (SonarQube, Black Duck). Seeking to leverage my expertise to enhance quality engineering and contribute to the Release Engineering process while staying ahead of emerging technologies.

PROFILE SUMMARY



- 5+ years in Manual & Automation Testing, specializing in test planning, execution, and defect management.
- Senior R&D Test Engineer at ABB, with expertise in test strategy, execution, and automation.
- Implemented effective strategies to collaborate with Development And Product Management Teams, enhancing test programs.
- Strong in IAM, OAuth Authorization Server, and Port-level Migration (Oracle to Cassandra & PostgreSQL).
- Expertise in Industrial IoT (IIoT) testing – Modbus (RTU/TCP), OPC UA, MQTT, PROFINET.
- Skilled in Agile Testing, Black Box Testing, and Defect Tracking (JIRA, OpenALM).
- Security testing with SonarQube, Black Duck, ensuring IEC 62443, NIST, ISO 27001 compliance.
- Hands-on with Red Hat Linux (RHEL), Docker, Kubernetes, AWS, Azure.
- Proficient in performance testing (JMeter), network analysis (Wireshark).
- Test automation using Robot Framework, Selenium, OAuth2.0.
- Expertise in executing various Software Quality Assurance and IT processes for enhancing effectiveness of the application.
- Skilled in Charging & Mediation Systems, Data Privacy, and Cloud Security Architecture.
- Experience with SoapUI, Putty, Swagger, SQL Developer, Cassandra, PostgreSQL, MySQL, JIRA.
- Strong understanding of SDLC, STLC, Bug Life Cycle, and QA best practices.
- Collaborative in test automation & QA process improvements.
- Expert in test case scripting, test design, defect tracking, and issue reporting.
- Focused on enhancing software quality through SQA & IT processes.
- Knowledge and understanding of software testing methodology and best practices while maintaining and enforcing quality standards.

TECHNICAL SKILLS



- Automation & Testing Tools:** Python, Robot Framework, Selenium, TestNG, JUnit, Postman, SoapUI, Swagger
- Security & Compliance:** SonarQube, Black Duck, OAuth2.0, Passkey, LDAP, IAM, IEC 62443, NIST, ISO 27001
- Operating Systems & Cloud:** Red Hat Linux (RHEL), AWS, Open-ALM, Docker, Kubernetes
- IIoT & Industrial Protocols:** Modbus (RTU/TCP), OPC UA, MQTT, PROFINET
- Databases:** SQL, PostgreSQL, MySQL, SQLite, Cassandra
- CI/CD & DevOps:** Azure DevOps, Jenkins, GitHub, Open-ALM, JIRA
- Performance & Security Testing:** JMeter, Wireshark, ASNViewer
- Networking & System Analysis:** RBAC, Ericsson Charging System, Cloud Architecture
- Software Engineering:** Data Structures, System Design, RESTful API Development

CERTIFICATIONS



- Certified AI Testing -ISTQB- 24th Sep 2024
- Tester Foundation Level - ISTQB - 3rd May 2023
- Cloud Computing Professional Certification, Vskills, March 8, 2023
- 5G-Core Associate Certification, Ericsson, December 29, 2021
- Selenium Professional Certification, Vskills, October 11, 2021
- Information Assurance (Intermediate Level) Certification, DIAT, DRDO, July 10, 2021
- JMeter Tester Certification, Vskills, May 25, 2021
- Python Developer Certification, Vskills, September 27, 2020



Jan'2019
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Present

Senior R&D Test Engineer
ABB Global Industries and Services Private Limited, Bangalore
Feb,2025-Present

Roles & Responsibilities:

- Develop and execute test plans for IIoT applications, ensuring system reliability and performance.
- Validate Modbus (RTU/TCP), OPC UA, MQTT, and PROFINET protocols for industrial automation.
- Perform testing on Red Hat Linux (RHEL) and virtualized environments (Docker, Kubernetes, VMware).
- Automate test cases using Python, Robot Framework, Bash, and integrate with CI/CD pipelines.
- Test and validate ABB 800xA, SCADA/DCS, and edge computing platforms in IIoT ecosystems.
- Conduct cybersecurity testing using Black Duck and SonarQube ensuring compliance with IEC 62443, NIST, and ISO 27001.
- Perform performance, load, and failover testing of industrial automation systems.
- Manage defects and test cases using Azure DevOps, ensuring efficient tracking and resolution.
- Support on-site deployments, troubleshooting, and real-world IIoT issue resolution.

Software Quality Engineer
Ericsson India Global Pvt. Ltd., Bangalore
Apr,2020 – Feb,2025

Roles & Responsibilities:

- Collaborated with Development and Product Management to refine designs and user scenarios.
- Led continuous improvement of test programs from development through to end-of-life, ensuring quality and adherence to schedules.
- Reviewed and analyzed Business and Customer Requirement Specifications (BRS/CRS) and provided feedback.
- Conducted peer reviews, tracked defects using Azure-DevOps, and reported daily on test progress and automation development.
- Supported User Acceptance Testing (UAT), clarified live issues, provided production support, and mentored new team members.
- Developed and executed automation suites for regression testing, crafted comprehensive test scenarios and cases.
- Executed Regression, Sanity, and Smoke Testing to ensure high-quality software releases.
- Managed the full software testing lifecycle, including creating test strategies, plans, and cases for web and cloud solutions.
- Innovated automation frameworks using Selenium, LINUX, Core Java, and Python; tested web services (SOAP/REST) with JSON and XML.
- Utilized AWS, Jenkins, and GitHub for continuous integration and delivery, applying strong problem-solving skills to resolve issues.

System Verification Test Engineer
Ericsson India Global Pvt. Ltd., Bangalore
Aug,2019 - Apr,2020

Roles & Responsibilities:

- Conducted comprehensive manual and automated tests for web applications.
- Developed and maintained automation scripts for functional and API testing.
- Collaborated with cross-functional teams to ensure product quality and timely delivery.
- Created and executed test plans, test cases, and test reports.
- Utilized defect tracking tools to report and manage software defects.
- Conducted performance and load testing to ensure system reliability.
- Innovated automation frameworks using Selenium, LINUX, and Python;

Software Quality Assurance - Intern
Ericsson India Global Pvt. Ltd., Bangalore
Jan 2019– Aug, 2019

Roles & Responsibilities:

- Assisted in functional and non-functional testing of software applications.
- Developed automation scripts using Selenium and Python.
- Conducted API testing for web services using SOAP and REST.
- Participated in Agile team meetings and contributed to sprint planning and reviews.
- Documented test results and provided clear reports to the development team.
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Address : Bangalore-560066, Karnataka
Date of Birth : 29th January 1998
Languages Known : English and Hindi