

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 COMPETENCIESSoftware 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

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

SOFT SKILLS

Communicator

Problem Solver

Innovator **Analytical**

Team-oriented

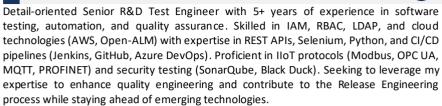
Time Management





OBJECTIVE





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
- 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,
- 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.

WORK EXPERIENCE

Ian'2019

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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PERSONAL DETAILS

Address : Bangalore-560066, Karnataka

Date of Birth : 29th January 1998 Languages Known : English and Hindi



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