NITHIN KUMAR BASWA

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Results-driven QA Engineer with over 6 months of proven expertise in automation, API testing, and cloud platform validation. Proficient in Java, PlayWrite, Selenium, and CI/CD tools to drive efficient, high-quality software releases.

PROFESSIONAL SUMMARY

- Experienced QA Engineer skilled in testing applications deployed on **AWS and Kubernetes**, ensuring functionality, scalability, and reliability across microservices.

- Proven expertise in automation testing using **Java, Playwright, and TestNG**, achieving a 20% reduction in manual regression effort.

- Strong background in **REST API testing for Java and Spring Boot services**, ensuring accuracy, performance, and service reliability.

- Hands-on experience in CI/CD integration with Jenkins and GitHub Actions, enabling continuous testing and deployment workflows.

- Proficient in functional, regression, and integration testing on AWS environments, validating S3 data flows, authentication, and provisioning processes.

- Skilled in defect tracking and root cause analysis using JIRA, ensuring timely issue resolution and maintaining quality standards.

- Experienced in **API validation** focusing on interoperability, security, and compliance with system-level requirements.

- Active participant in Agile/Scrum processes, supporting sprint planning, test estimation, and QA deliverables to meet project goals.

- Adept at test environment setup, validation, and collaboration with cross-functional teams for seamless deployment and stable test cycles.

TECHNICAL SKILLS

Programming Languages	Python,JAVA,C and C++
Web Technologies	HTML,CSS,Javascript,PHP
AI/ML and tools	NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow (basic)
Database and tools	Power BI , Data Visualization and SQL
Testing Tools and Frameworks	Selenium, JUnit, TestNG, Postman, RestAssured
Cloud and Virtualization Technologies	AWS, Microsoft Azure, VMware, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

QA ENGINEER — DHASHA CONSULTING (Client: SoundExchange) — May 2025-Till Date
SoundExchange is a music-tech nonprofit that manages royalty collections for hundreds of thousands of creators. By leveraging large-scale cloud data pipelines, it enables high volume royalty tracking, matching and distribution with accuracy and robustness across international markets.

Responsibilities:

- Understanding the functional requirement documents to design and execute detailed test cases.

- Conducted **functional and regression testing** for applications on **AWS cloud** and on-prem environments.

- Performed **API testing using Swagger UI** and validated RESTful endpoints for data integrity and response accuracy.

- Executed **SQL-based backend validation** to ensure correctness of music rights and royalty data.

- Automated smoke and regression suites using **Java, Playwright Selenium WebDriver, and Jenkins**, improving test efficiency.

- Used **JIRA** for test management, defect tracking, and reporting in Agile sprints.

- Ensured system reliability and data accuracy when handling **large-scale datasets** for royalty processing.

- Collaborated with **developers and DevOps teams** to integrate QA activities into CI/CD pipelines for continuous validation.

- Participated in **UAT cycles**, verifying end-to-end workflows and ensuring user satisfaction before production releases.

PROJECTS

Workforce Performance and Talent Analytics Dashboard—Power BI

- Built an interactive dashboard to analyze key HR metrics like productivity, retention, and engagement.

- Improved personal data visualization and analysis skills by 25%, enhancing efficiency and reporting clarity.

- Used DAX for dynamic insights and created user-friendly visuals for decision support.

An Automated Hand Gesture Software to control volume for Computer.
Key Skills: Python3,OpenCV,WindowsOS,NumPY

- Developed a real-time hand gesture-based volume controller using Python, OpenCV, and NumPy on Windows OS.

- Used MediaPipe to detect and track hand landmarks, focusing on the thumb and index fingertip distance.

- Mapped fingertip distance to control system volume via the pycaw library for smooth audio adjustments.

- Implemented a live video interface with visual feedback to display gesture recognition and volume levels.

Vehicle Booking System.
Key Skills:HTML,CSS,JavaScript,Bootstrap Framework,DBMS

- Built a responsive web app for users to search and book vehicles by type, capacity, and location.

- Enabled real-time availability tracking and transparent pricing using a connected database.

- Designed an intuitive UI with Bootstrap for seamless multi-device access.

EDUCATION

Bachelor of Technology in Computer Science, MGIT	2024
Intermediate Education(MPC), Narayana Jr College	2020
Secondary Education, Holy Angels High School	2018

CERTIFICATIONS

- Certification in Python Programming(NPTEL)

- Database Programming with SQL(Oracle)

- Certification in C and C++(Udemy)

- Certification in Cloud Computing(NPTEL)