



Errol Costabir

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ABOUT ME

I'm an experienced software engineer proficient in delivering robust software solutions. As a software engineer I have contributed to cost savings and efficiency improvements in IT operations and ecommerce environments. I'm proficient in tools like New Relic, Netlify, Shopify CMS, Sigma, Google Analytics 4, Python scripting, Endtest, AWS and proactive in ensuring website performance, security, and data integrity.

Besides this I have also gained an expertise in test automation frameworks (specifically Cucumber and Selenium), third-party integrations within ecommerce platforms like Shopify, efficient test case management, UI testing optimization, and comprehensive defect management using tools like Jira. I have the ability to drive efficiency, quality, and collaboration across teams in delivering high-performance web applications.

I have the proven ability to work collaboratively in agile environments to meet project deadlines and exceed client expectations. My proficient communication skills have helped me work closely with clients from the United States of America and the United Kingdom.

WORK EXPERIENCE

Lead Software Engineer

Persistent Systems Limited [01/07/2024 – Current]

City: Goa | Country: India

1. Driven customer satisfaction by ensuring our product offerings meet high-quality standards.
2. Deep knowledge of the Agile development process and best QA practices to drive effective test automation strategies.
3. Effectively minimize duplication of testing layers by applying a deep understanding of appropriate testing strategies.
4. Successfully mitigated site outages and SSL issues, resulting in improved website uptime and a secure user experience.
5. Streamlined DNS and SSL certificate configurations, enhancing site reliability and security.
6. Implemented efficient storage solutions using AWS S3, optimizing content delivery and supporting website scalability.
7. Experience working with API testing tools such as Rest Assured and Postman.
8. Implemented Machine learning models for customer segmentation for ecommerce platform

Senior Software Engineer

Persistent Systems Limited [01/07/2023 – 30/06/2024]

City: Goa | Country: India

1. Proactively monitored website performance and uptime using New Relic and Netlify, swiftly identifying and resolving issues to prevent downtime and ensure seamless user experience.
2. Successfully reduced client AWS billing costs by 5-7% through strategic resource allocation and optimization initiatives.
3. Managed end-to-end data migration, verification, and setup of stores in Shopify CMS, ensuring smooth transition and operational readiness.
4. Utilized Sigma tool for meticulous data analysis and report verification, delivering bug-free ecommerce reports that facilitated informed decision-making.
5. Conducted comprehensive testing of data integrity in Google Analytics 4, ensuring accuracy and reliability of analytical insights.
6. Developed Python scripts to automate testing processes, optimizing workflows and reducing execution time by 70%.
7. Conducted thorough performance and security analyses of websites, preemptively identifying and resolving vulnerabilities to prevent critical bugs from reaching production.
8. Implemented automation scripts in Endtest, reducing regression testing time by 70% and enhancing overall testing efficiency.
9. Developed and optimized SQL queries to streamline data analysis processes, resulting in increased efficiency and significant reduction in manual analysis time.
10. Expertise in root cause analysis of issues leaked, implementing preventive measures to mitigate future occurrences.

Software Engineer

Persistent Systems Limited [21/08/2021 – 30/06/2023]

City: Goa | Country: India

- 1. Collaborated with cross-functional teams to ensure best practices in test automation, promoting efficiency across projects.
- 2. Developed a robust Cucumber Test Automation framework, resulting in a 70% reduction in regression testing time and improving overall testing effectiveness.
- 3. Led the integration of a third-party tool, to streamline product return processes and enhancing customer experience.
- 4. Developed strong knowledge of Shopify CMS, leveraging it effectively for ecommerce solutions and enhancements.
- 5. Strategically wrote, planned, and executed test cases for various website features, ensuring comprehensive test coverage and adherence to quality standards.
- 6. Contributed to a 40% reduction in UI testing time by implementing efficient UI testing tools and methodologies.
- 7. Designed, developed, and maintained both manual and automated testing suites for frontend and backend features, ensuring robust software quality throughout development cycles.
- 8. Identified, reported, and tracked software defects using Jira, collaborating closely with cross-functional teams to prioritize and resolve issues promptly.

EDUCATION AND TRAINING

Bachelor of Engineering

Goa University [01/06/2017 – 01/07/2021]

Country: India | Website: <https://www.unigoa.ac.in/>

LANGUAGE SKILLS

Mother tongue(s): English

PROJECTS

[01/12/2021 – Current]

Olivela Ecommerce Website A Luxury ecommerce website that is developed in Next JS and Shopify CMS. Worked primarily as a QA and Devops.

HONOURS AND AWARDS

Persistent Systems Limited

Persistent Systems Top Talent FY 2024 and 2023

Microsoft

Microsoft Certified Azure AI Fundamentals (AI-900)

Microsoft

Microsoft Certified Azure Fundamentals (AZ-900)

AWS

AWS Cloud Essentials Digital Badge

[11/04/2022] Udemy

Learn Cucumber BDD with Java - Masterclass Selenium Framework

ORGANISATIONAL SKILLS

Tools and technologies Agile Methodology, Azure, Quality Assurance, Cucumber BDD Framework, Test Automation, Object Oriented Programming, Database / DBMS, Python, Scripting, Generative AI – Amazon codewhisperer, Snowflake, Shopify, Jira, Git, GitHub, AWS, Oracle DBMS, SQL server, Sigma, Snowflake, Endtest, New Relic, Netlify, scrum, Docker, TestNG, REST API, Maven

Skills Tasks Planning and Prioritization, Leadership, Communication Skills, Requirements gathering, Requirements analysis, User acceptance testing, Regression Testing, Sanity Testing, Ticket Estimation, Documentation, Bug tracking, Test planning and execution, Testcase writing, Mobile App Testing, Bug verification, Manual testing, Automation Testing, UI Testing, RCA

Programming Languages Python, JavaScript, SQL, Java