

# Samir Chowdhury

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## Technical Skills & Certifications

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- **Testing Tools/Frameworks:** Selenium, Cypress, Playwright, Jira, Zephyr, Postman
- **OS/Virtualization:** Linux (Ubuntu, Rocky), Windows, vSphere, VMware
- **Development:** PostgreSQL, Bash/Shell Scripting, JavaScript, TypeScript, HTML, CSS
- **CI/CD & Automation:** Jenkins, GitHub, Nexus DevOps, Github
- **Containerization & IaaS:** Docker, Kubernetes
- **Monitoring and Logging:** Prometheus, Grafana, RabbitMQ
- **Project Tools/Methodologies:** Agile, Waterfall, V-Model, TDD, BDD, CI/CD
- **Certifications/Continuous Learning:** ScrumMaster® (CSM), Playwright, CompTIA Security plus

## Work Experience

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### Swampfox Technologies – QA Engineer

Jan 2023 – Jul 2025

Columbia, SC

- Achieved 100% validation of user journeys on production systems as Test Lead for customer initiatives.
- Improved response accuracy by 25% by testing AI-driven NLU/TTS systems, validating AMQP integration, and streamlining model training.
- Increased QA alignment from 20% to 70% by identifying traceability gaps with offshore teams and restructuring workflows.
- Drove comprehensive test coverage by collaborating with Product Owners during sprint planning and backlog grooming to clarify requirements.
- Executed risk-based manual test cycles for multiple products, ensuring validation of critical user flows and evolving project goals.
- Conducted functional, integration, and regression testing for enterprise software, ensuring 90% coverage.
- Orchestrated Jenkins builds across 6 major Release Candidates, validating deployments on Docker/Kubernetes infrastructure while monitoring performance through Prometheus/Grafana dashboards
- Improved onboarding efficiency by 50% through streamlining QA documentation in Confluence and developing training materials via cross-team coordination.
- Improved automation framework by integrating REST API scripts to automatically report test execution results to Zephyr Scale.
- Showcased tested features in sprint demos, ensuring 99% validation and reduced production hotfixes.

## Education

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University of South Carolina

Bachelor of Science, Integrated Information Technology

Columbia, SC

Aug 2019 – May 2023