Sangamnath R Ingalalli

Mobile: 8197775778 **Email:** sangamnath.professional@gmail.com
LinkedIn: linkedin.com/sangamnath-ingalalli **Git:** github.com/SangamnathIngalalli
Portfolio: sangamnathingalalli.io/portfolio

Professional Summary

QA Automation Engineer specializing in **Web, API, Mobile, and Microservices testing**, with **5 years of experience** delivering **20+ releases across Inventory, telecom, media, and finance domains**. Reduced testing cycles by **40%** and boosted defect detection by **30%** through optimized automation frameworks and CI/CD integration. Expert in Agile and DevOps, passionate about driving quality and efficiency in fast-paced environments.

Technical Skills

- **Programming Languages:** Java, TypeScript, JavaScript, Python, Bash, Gherkin
- **Test Automation Frameworks**: Playwright, Selenium WebDriver, WebdriverIO, Cucumber (BDD/TDD), TestNG, JUnit
- **API & Contract Testing:** REST Assured, Postman, Newman, Pact Contract Testing, GraphQL, AsyncAPI, Microservices Testing
- **CI/CD & DevOps:** Jenkins, GitHub Actions, GitLab CI/CD, ArgoCD, Docker, Kubernetes, Maven
- **Performance & Security Testing:** k6, JMeter, OWASP ZAP, Burp Suite, Snyk, SAST/DAST
- **AI-Powered & Visual Testing:** GitHub Copilot, Applitools Visual AI, Testim, Mabl, AI Test Generation, Self-Healing Tests
- **Monitoring & Observability:** Grafana, Prometheus, APM tools integration, Observability Testing
- **Cloud Platforms & Databases:** AWS (S3, EC2), Azure, GCP | MySQL, PostgreSQL, Oracle
- **Testing Specializations:** UI/UX, API, Database, Performance, Security, Accessibility, Regression, Smoke

Professional Experience

Company: Nike || Domain: Inventory || April 2025 – till Now

- Architecture: Designed and implemented the test framework for Nike's inventory platform using an API-first approach with REST Assured , Pact and WireMock validating 200+ API endpoints and ensuring 99.9% reliability across global markets.
- Developed 150+ Playwright test suites with AI-assisted generation, improving UI test coverage by 65%
- Integrated observability testing with Grafana and Prometheus, delivering real-time quality insights through TestOps methodology.
- Reduced manual testing effort by 35% through shift-left testing strategies for microservices.
- Mentored 4 junior SDETs in modern frameworks and test architecture, improving team productivity by 30%.

Company: Subex || Domain: Telecom || July 2023 – April 2025

- Built an automation framework with Playwright + TypeScript, achieving 85% automation coverage for a telecom analytics platform.
- Established shift-left culture with contract testing, ensuring early API validation and faster defect detection.
- Enabled consistent multi-environment testing with Dockerized observability pipelines.
- Partnered with DevOps teams to deliver 12 consecutive zero-downtime releases.

Company: Adobe || Domain: Animation || Nov 2022 – March 2023

- Created cross-browser automation with Selenium Grid, ensuring 98% compatibility across major browsers.
- Built a Cucumber BDD data-driven framework to enable business stakeholder collaboration.
- Designed mobile automation with Appium for iOS/Android, achieving 95% coverage on core user journeys.
- Conducted API security testing for banking applications, ensuring PCI DSS compliance with zero incidents.
- Reduced manual testing by 60% through automation of high-priority workflows.

Company: K.L.E || Domain: Edu-Tech || July 2021 – Aug 2022

- Designed and delivered curriculum on automation frameworks and software testing methodologies.
- Conducted workshops on SDLC, QA processes, and shift-left testing practices.
- Introduced TestOps concepts and contract testing to academic programs.

Company: 3i Infotech || Domain: Banking and Finance || July 2019 – Feb 2021

- Built a Selenium + Java automation framework, migrating from 100% manual to 70% automated testing.
- Performed functional testing for healthcare systems, ensuring HIPAA compliance and data security.
- Created 500+ realistic test scenarios using contract testing principles and test data strategies.
- Improved team onboarding time by 40% with comprehensive documentation and knowledge-sharing.

Education

- Master of Computer Applications (MCA)
  - Visvesvaraya Technological University, Karnataka **||** Sept 2015 – Aug 2018 **||** Percentage 64%