

# Prabhakar Y



| [prabhtra01@gmail.com](mailto:prabhtra01@gmail.com) | +91-8073929738 | [LinkedIn](#) |

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## Skills:

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- **Web Automation:** Selenium WebDriver, Playwright, Cypress
- **API Automation:** Postman, Rest API, RestAssured, Playwright, Cypress, GraphQL
- **Mobile Automation:** UIAutomator2, Android Debug Bridge (ADB), Appium, Appium-Flutter-Driver, WebDriverIO for Flutter apps, Flutter Toolkit, Patrol framework for Flutter mobile app
- **Performance & Load Testing:** JMeter, VSTS, BlazeMeter, New Relic, TSUNG, Jabber XMPP
- **Performance Monitoring:** Perfmon, InfluxDB, Grafana
- **Cloud Platforms & Container:** Azure, AWS, Docker, K8s
- **Programming:** Java, JavaScript, Typescript, Python
- **DevOps:** GitHub Actions, Gitlab, Azure DevOps, Jenkins, Git, CI/CD
- **Tools & Processes:** Jira, Atlassian Jira, Zephyr, Confluence, Azure DevOps, Agile, SDLC, Shift-Left, Bugzilla, Slack, Mantis
- **Microservices Architecture:** Apache Kafka
- **AI/ML:**
  - Retrieval-Augmented Generation (RAG) pipelines, Embeddings, Vector Stores, Chunking, DeepEval evaluation, RAGas framework, end-to-end RAG application testing and validation etc
  - LLM/SLM quality including latency unpredictability, token inefficiency, hallucinations etc

## Summary of Qualifications:

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- 13 years in automation engineering, Architect, AI, cloud, DevOps, and enterprise applications across multiple domains.
- Skilled in Web/API/Mobile automation, performance testing, RAG & Agentic AI (LangChain, embeddings, vector DBs, DeepEval, RAGAs).
- Implemented robust enterprise automation frameworks with end-to-end testing and performance monitoring to identify and resolve bottlenecks using client and server metrics.
- Holds a bachelor's degree in Information science from Visvesvaraya Technological University(VTU). Karnataka

## Experience:

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### AccionLabs - Senior Principal Software Engineer QA

Aug 2019 – Present

- Led the QA team and developed comprehensive test artifacts including test cases, scripts, and plan to validate the product functionality
- Establish the test metrics and benchmarks to measure the software quality and process efficiency.
- Implemented an automation framework using Selenium WebDriver and TestNG, transitioning from manual to automated regression testing and significantly reducing execution time.
- Conducted POCs for modern automation tools Cypress and Playwright using Javascript and Typescript programming language for web E2E testing, driving the **migration** from **Selenium** to **Playwright** modern automation tools and decreasing overall test cycle durations
- Performed **Kafka consumer** and producer testing for microservices, validating message flow integrity and data persistence in Cosmos database within a distributed architecture
- Adoption of **Shift Left strategy**, streamlining the SDLC by accelerating deliverable timelines, reducing cycle time, and enabling QA activities in parallel with development for quicker feedback and improved product quality
- Automated Flutter mobile app integration tests using the Flutter test package for consistent regression coverage. Improved test efficiency by implementing key and indexing strategies in the Flutter mobile source code.
- Working on AI adoption, evaluation of **LLM/RAG** based apps using evaluation metrics, poc for AIOps and MLOps in progress.
- Directed QA team operations including hiring, coaching, performance management, and roadmap planning aligned to

product and delivery goals.

- Key Skills: Playwright, Rest API , Javascript, Typescript, Flutter driver , Architecture, leadership, modernization, cost optimization, azure devops, Azure CI/CD pipelines, RESTful APIs, Cosmos database testing.

**Citrix - Senior Software Test Engineer**

Jan 2016 – July 2019

- Led a team of 8, trained new hires, and documented products and automation processes.
- Automated the XenMobile Server Web Application using Selenium and the Client Mobile Application with Appium.
- Implemented MDX Wrapping for both Android and iOS platforms.
- Applied hooking and swizzling techniques on iOS and Android.
- Conducted security testing, including MITM attacks and certificate-pinning techniques.
- Analyzed HTTPS/HTTP packets using Wireshark and Charles to identify packet/data loss during E2E testing.
- Integrated Selenium and performance tests with AWS EC2 and AWS Device Farm for Continuous Integration.
- Analyzed crash defects using ADB commands (Android) and symbolicated iOS crash logs to identify the root cause.
- Executed performance test scripts for mobile apps with JMeter, identified bottlenecks, and tuned performance.
- Technologies: Selenium, TestNG, REST API, Rest Assured, Java, Git, Jenkins, Azure, AWS (EC2, Device Farm), Wireshark, Charles, XenServer, MDX Toolkit, JMeter.

**Endeavour Technologies(acquired by Genpact) -Senior Software Test Engineer**

Nov 2014 – Dec 2015

- Implemented automation for mobile applications on both Android and iOS using Appium
- Automated mobile chat applications with Jabber, leveraging XMPP protocols to streamline communication and improve testing efficiency.
- Led performance and load testing initiatives from planning to execution, utilizing VSTS, JMeter, BlazeMeter, and New Relic, resulting in optimized application performance and scalability.
- Monitored and analyzed application performance using client-side and server-side metrics, leading to the identification and resolution of key bottlenecks.
- Managed 2-3 additional projects concurrently while leading a QA team of 5 engineers.
- Technologies: Appium, Jabber XMPP, VSTS, JMeter, BlazeMeter, New Relic, Perfmon, Java, SVN, TSUNG.

**I-admin Pvt Ltd - Software Test Engineer**

Sep 2012 – Nov 2014

- Solely established the QA function for a startup, building the team from scratch and eventually growing it to a 4-member team, setting up processes, frameworks, and best practices.
- Conducted both manual and automation testing for payroll domain web applications, ensuring high-quality product delivery and adherence to client requirements.
- Implemented E2E test automation using Selenium WebDriver with JUnit/TestNG frameworks, significantly improving test coverage and reducing testing time.
- Performed comprehensive load testing with Apache JMeter, evaluating application scalability and identifying potential performance bottlenecks to ensure readiness for high-traffic environments.
- Established a defect tracking and management process using Bugzilla, streamlining communication and issue resolution for quicker development cycles.
- Developed and standardized QA processes for payroll applications, improving efficiency, reducing errors, and ensuring consistent product quality.
- Conducted security testing, including SQL injection and vulnerability assessments using Acunetix and Burp Suite to ensure the application's security posture.
- Technologies: Selenium WebDriver, Bugzilla, JMeter, TestNG, Java, Acunetix, Burp Suite

**Education:** \_\_\_\_\_

● **Bachelor of Engineering in Information Science and Technology**

EWIT Bengaluru, Visvesvaraya Technological University(VTU), Belagavi, Karnataka

*Aug 2008 – June 2012*

## **Personal Details:**

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- Full Name: Prabhakar Y
- Father's Name: G. YeswanthRaj
- DOB: 03-07-1990
- Marital Status: Single
- Visa: US B1 Visa
- Residential Address: Sattva East Crest, Old Madras Rd, near Budigere Cross, Bangalore - 560049

## **Portfolio:**

- For more details, please refer to my portfolio website: <https://codeautomator.netlify.app/>