Vipul

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**Summary**

15+ years’ experience of Leading Engineering teams from ground to go from Discovery to Launch, taking efforts from manual to Automation, having a proven track record of working alongside cross-functional, cross-domain and geographically distributed Quality teams and implementing code and testing best practices. Strong bias towards innovation over industry standards. Outstanding communicator and team player with expertise in quality assurance. Developing and implementing shift left culture including test frameworks.

* Hands on experience in implementing tools and processes from scratch.
* Developing **Framework**, **Automation scripts**, running suits with **CI/CD pipelines**, reporting and maintaining the scripts.
* 15 years of experience on Quality, tools, frameworks and architecture development and implementations.
* Developed and implemented a **framework from scratch** to handle **React** and Node-based **applications**.
* Understood the **Application Architecture** to create a **Dependency chart** and **Impact Analysis** Document serving as a baseline for the **Test Plan** **and Test Strategy**.
* Delivered high-quality-driven projects with tight timelines, making me efficient at working with **multi-project environments.**
* **Testing Types:** Functional, **Performance Testing (K6, JMeter)**, Automation and Security Testing.
* **Domains:** Healthcare, EdTech, eCommerce, **ServiceNow**
* Proficient experience in languages JavaScript, Java, Python.
* Developed Extensive test framework using **Docker and AWS.**
* **Core Technologies** Used to build a framework: **Selenium, Cypress, Playwright, Docker, GraphQL, Kafka**
* **Testing Tools** used **TestNG, RESTAssured, UI Testing, SVN and GIT.**

**Work Experience**

**Senior Engineering Manager, Tread Aug 2022 - Current**

Vancouver, Santa Clara, CA

* **Mentored** the team to remove the need for manual regression testing, by **achieving 85% code coverage.**
* Structured mobile framework using **Appium,** automating more than **70% of functional coverage around mobile app.**
* **Developed defect reduction process** resulting in a **60% decrease** in P0/P1 defects in 6 months.
* Performed **manual testing, compatibility**, **design testing** to balance the testing approach and find the bugs as early as possible.
* Open to learning attitude and ensuring product meets the business and technical requirements by creating **Test Plans** and monitoring various **test matrices**.
* Expertise in modern automated QA methodologies and tools (e.g., **Selenium, Cypress, Playwright, JUnit, TestNG, Appium**, **REST-Assured, API Automation tools**.)
* **Hands-on experience** when it comes to setting up **Test frameworks and harnesses**.
* Extensively worked on a scalable application, alongside an execution-focused team on implementing **engineering best practices**, code reviews, **agile methodologies, coding standards,** database, security, business strategies, release and build processes.
* **Automated more than 2500 test cases**, executed daily alongside **the deployment pipelines**.
* Led release management using **semaphoric ci/cd pipelines**, **github**, and code reviews to achieve continuous improvement of processes.

**QA Architect, Thinkific Labs May 2021 – Aug 2022**

Vancouver, BC

* Guided the team to build Test frameworks in **Java** using the tool **Selenium**, which we used to automate **functional and API test cases, scheduled along the CI/CD pipeline.**
* Monitored and informed **decision-making**, implemented effective **quantitative analysis keeping senior management in the loop.**
* Working in **a scrum environment**, assuring that the teams follow the sprint and meet the sprint delivery time and help estimate the effort for delivery of each story
* Measuring the efficiency of testing by applying **Testing Metrics** to help improve testing and unit testing of Future work.
* Led **release management**, resource management.
* **Communicated with Product, Dev, Design teams** to understand feature implementations and timelines and prioritized the testing work accordingly.
* Deep understanding of Quality processes, wrote flawless test plans, and scenarios well understood and detailed enough to cover 90% of code

**Senior QA Manager, GlobalLogic, May 2014- March 2021**

New Delhi, India

* Developed **Scale-QA infrastructure,** using docker and Kubernetes, which improved the **Deployment matrix** by increasing the **success rate to >98%,** increasing the unit test coverage to 95% and **API test coverage to 85%.**
* Cultivating a feedback-driven approach to coach and develop a new and old talent
* Problem-Solving: Designing strategies, code review and merge strategies, channelizing teams’ energy towards productivity and coming up with creative and edge-cutting solutions
* Cross-Functional Domain: Worked on various domains like healthcare, banking, internet, retail
* Quantitative and qualitative metrics communication, analysis and risk to all the stakeholders at inter and intra teams
* Framework Development- Developed frameworks from scratch, which decreased the delivery timelines thereby helping in Shift-left and early bug detection
* Tools like, Selenium, Java, SVN. GIT, AWS, TestNG, Junit, BDD and TDD frameworks.
* Agile Methodologies- Scrum, ceremonies, inter-team coordination.

**Senior Quality Analyst, Infoedge India, May 2011- April 2014**

New Delhi, India

* Framework development, mentoring the team on how and where to automate.
* Built automation framework using **Selenium with Java**, which was used across 4 teams automating more than 80% of the functional coverage.
* Worked with JMeter for performance testing.
* Created Security testing suit using **Burp Suite,** to a avoid major vulnerabilities like SQL Injection.

**Testing Engineer, Acidaes Solutions Pvt. Ltd, November 2010-April 2011** New Delhi, India

* Extensive part of agile team. Involved in all SDLC process and meetings.
* Spearheading many technical discussions and application functional decisions.
* Automation the complete banking application using QTP.
* Switched over the complete web based code to Selenium, automating major client flows.

**Software Engineer, Singla Engineers and contractors Pvt. Ltd, July 2008-November 2010**

New Delhi, India

* Develop java based applications.
* Involved in fixing sprint boot application bugs and meeting with clients for their expectations arounds the delivered functionalities.

**Education and Training**

* **Master in Technology** (Software Systems, Majors: Data Analytics). **2014-2016**

Birla Institute of Technology and Science**,** **GPA: 8.02**

* **Bachelors in Technology** (Computer Science and Engineering). **2004-2008**

Punjab Technical University (MIMIT, Malout)**, 71%**

**Activities and Honors**

1. Achieved "Individual Excellence Award" 3 times in a row for my Project and Organizational initiatives.

2. Spot Awards: Client Appreciations

3. Guru-Drona Award: Imparted Corporate training

4. Out of Box Award: team performance improvement

5. Star Performer: continuously a Star performing for 5 years.

**Volunteer Experience**

1. Corporate Social Responsibility (CSR): Core member of the team, adopted around 1000 children for their study

2. Act as an SME in Pre-Sales and Advisory activities

3. Active Cypress Ambassador: Mentoring community on automation and quality processes.