Vishnu AV

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Profile

QA Engineering Manager with 14 years of hands-on and leadership experience in building high-performance SDET teams, architecting automation frameworks, and delivering scalable quality strategies. Proven expertise in test automation (Selenium, Appium, Playwright), CI/CD, DevOps, and AI-led QA practices. Adept at managing cross-functional teams, driving KPIs, and integrating testing into fast-paced Agile environments. Passionate about building quality engineering cultures and aligning QA with business goals.

Work Experience

02/2024
Remote, India

Staff SDET
Ohai.ai

- Developed an **AI-integrated Test Automation Framework** using **Playwright and TypeScrip**t, which enhanced test coverage and improved release quality.
- Design and implemented Mobile Automation framework for **IOS** using **Appium** and **XCTest**
- Reduced UI script f**ailures to less than 1%** by **implementing AI-powered auto-healing strategies**, helping to ensure more reliable testing outcomes.
- Championed the use of validation tools like **DeepEval** and **ConfidentAI** for large language models (LLMs), which accelerated LLM model selection and improved overall app quality.
- Collaborated closely with **AWS, Development, and Generative AI** teams to elevate product quality and responsiveness in mission-critical applications, ensuring better user satisfaction.
- Led performance testing initiatives using **K6** and **JMeter** to optimize system throughput, which helped improve application performance under load.
- Implemented **CI/CD pipelines that enabled shift-left testing**, allowing for rapid and reliable deployments while catching issues earlier in the development process.

08/2021 – 11/2023
Bengaluru, India

Head of QA
HOK(Furlenco.com)

- Recruited and led **15+ SDETs**; managed **hiring, coaching, and performance evaluations** to build a high-ownership QA culture.
- Designed and executed test automation frameworks (**Java, Cucumber**) with 80% reduction in manual effort.
- Instituted **Quality Gates using CircleCI, SonarQube, Kubernetes**—ensuring stable and secure releases.
- Drove cross-functional **Agile delivery with metrics-driven quality planning**, integrating tools like **BrowserStack and TestMo**.
- Owned and reported **KPIs, test coverage, defect leakage, and quality metrics** to stakeholders regularly

02/2019 – 08/2021
Cochin, India

Lead QA
Baker Hughes

- Directed QA activities for major products, overseeing a high-performing team.
- Developed a robust test automation framework with JAVA, Cucumber, and Azure DevOps, achieving remarkable automation coverage.
- Conducted comprehensive QA process improvements, enhancing QA efficiency and effectiveness.
- Actively contributed to the team by vetting customer requirements and providing P50 estimates using Agile estimation techniques.

Work Experience

- Authored test strategies and comprehensive plans for releases.
- Trained the community and team in Agile practices to foster continuous learning and professional development.
- Engaged in hiring processes, adding talent to the team.

08/2016 – 02/2019
Bengaluru, India

Sr QA Engineer
Amadeus Labs
- Automated functional scenarios using Geb & Spock, increasing test automation coverage significantly.
- Managed Selenium and Geb Spock Tests execution, transitioning tests from the systems to UAT.
- Reported results to stakeholders, facilitating informed decision-making.
- Oversaw the automation test migration from Selenium to Geb & Spock, driving process enhancements.
- Maintained and managed Jenkins, supporting Continuous Integration.

06/2011 – 08/2016
Bengaluru, India

Sr Software Engineer
Accenture
- Analyzed requirements working closely with Business Analysts and users to finalize technical requirements.
- Devised Test Plans and approaches based on new requirements, enhancing the QA process.
- Created scripts in the BPT framework using HP ALM and Selenium Web Driver, advancing automation efforts.
- Conducted test execution and managed defects, maintaining high standards of software quality.
- Automated testing with UFT, Java, and Selenium, optimizing test procedures.

Skills

Java	Selenium	Python	Typescript
Playwright	LLMs	Cucumber	AWS,Docker, K8
TestManagement	Project Management	Agile Scrum master	DeepEval, ConfidentAI
Jira,Linear,Azure Devops	K6,Jmeter	TestRail,TestMO,X-Ray	TestNG,Pytest
Test Automation Strategy	Quality Engineering	Test data Management	DevOps
Security Testing , OWASP, Burp Suite	API Testing, Postman, Swagger	Kafka	Kibana, Grafana

Education

09/2007 – 06/2011
Cochin, India

Computer Science | BTech
GEC Idukki

Certifications

05/2022

Certified Scrum Master(CSM)
Scrum Alliance
ID: 001140585

Certifications

05/2024   **Advanced Certified Scrum Master**
Scrum Alliance
ID: 001140585

Social Media

@venuvis89

Vishnu Venugopal