NAVEENKUMAR GOVINDARAJ

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PROFESSIONAL SUMMARY

- Seasoned **Software Development Engineer in Test (SDET)** with 14 years of experience in **test automation, cloud platforms, and AI-powered testing solutions**. Adept at designing **scalable, resilient, and intelligent test frameworks** for web, enterprise, and mobile applications across banking, finance, telecom, retail, and e-commerce domains.
- Leveraged **OpenAI** and **AWS Bedrock** to automate test case generation and optimize intelligent test execution strategies.
- Expertise in **Java**, **Python, Selenium, Cypress, JavaScript, TestNG, JUnit, Appium, PyTest, Robot Framework, and Rest Assured**.
- Strong background in **cloud automation (AWS, Azure), Kubernetes, and Docker**.
- Proven experience in **API, UI, functional, regression, performance, and security testing**.
- Proficient in **CI/CD automation using Jenkins, GitLab, and Docker**.
- Hands-on experience with **embedded Linux, Android, Mac, iOS, QNX, and RTOS-based applications**.
- Strong analytical and troubleshooting skills, including **log analysis and root cause identification**.
- Experience with **BDD frameworks (Cucumber, PyTest BDD), Agile methodologies, and DevOps**.

TECHNICAL SKILLS

- **Languages:** Java 8, Python 3.x, JavaScript, PowerShell, Shell Scripting
- **Automation Frameworks:** Selenium, Cypress, Appium, PyTest, Robot Framework, Rest Assured, TestNG, JUnit, Cucumber BDD
- **Cloud Platforms:** AWS (IAM, EC2, Lambda, S3, DynamoDB, CloudWatch), Azure
- **API & Backend Testing:** Postman, SoapUI, REST, HTTP Client
- **Databases:** MySQL, PostgreSQL, MongoDB, Oracle
- **CI/CD & DevOps:** Jenkins, GitHub Actions, Docker, Kubernetes
- **OS & Embedded Systems:** Linux, Windows, MacOS, Android, iOS, QNX, RTOS
- **Security & Networking:** OAuth, JWT, VPN, TLS, 802.11 WLAN, Bluetooth
- **Bug Tracking & Test Management:** JIRA, Azure DevOps, Confluence, TestRail

EXPERIENCE

SDET Engineer | Sr Software Engineer

Info Services LLC | GM Project   **02/2024 - Present**
- Developed **asynchronous Cypress-based automation framework** using JavaScript and Mocha for UI and API validation.
- Automated **REST API validation** (POST, GET) using **Cypress and Postman** to ensure seamless data exchange.

- Implemented **dynamic XPath-based locators** for robust UI testing.
- Designed **integration tests** using Cucumber BDD to validate backend services.
- Integrated **UiPath for RPA automation** of repetitive backend tasks and data entry workflows.
- Automated **mobile app testing using Appium for Android and iOS**.
- Optimized **CI/CD pipelines in Jenkins and GitLab CI** for faster and automated test executions.
- Collaborated with **cloud engineers** to validate **AWS-based microservices**.
- Leveraged **OpenAI** and **AWS Bedrock** to automate test case generation and optimize intelligent test execution strategies.

SDET Engineer | Sr Professional
Capgemini | Move Inc   11/2022 - 01/2024
- Designed Developed **Selenium WebDriver automation framework** with **TestNG, Maven, and Cypress**.
- Automated **API testing with Rest Assured** for RESTful web services (GET, POST, PUT, DELETE).
- Integrated **CI/CD pipelines with Jenkins** for automated test execution.
- Conducted **cross-browser testing using Selenium Grid & Cypress**.
- Automated **mobile app testing using Appium for Android and iOS**.
- Performed **performance testing with JMeter**, analyzing response times and system bottlenecks.
- Debugged and resolved **Linux-based application issues**.
- Collaborated with DevOps teams on **Dockerized deployments**.

SDET Engineer
Capgemini | Harman/Kardon   09/2021 - 11/2022
- Designed **end-to-end automation frameworks** using Selenium and Cypress for frontend and backend validation.
- Implemented **test strategies for embedded and IoT applications**.
- Conducted **manual and automated API testing** using Postman and REST Assured.
- Integrated **Azure DevOps pipelines** for test automation.
- Executed **cross-platform testing on Linux, QNX, and Android environments**.
- Provided **detailed test reports and defect analysis** in JIRA.

Sr. Software Engineer
Capgemini Projects| JPMorgan Chase & Co.   09/2015 - 09/2021
- Designed and maintained **Selenium-based UI automation frameworks** in Java.
- Automated **REST API validation** using Postman and JMeter.
- Conducted **SQL database testing** for Oracle & PostgreSQL systems.
- Led **UAT efforts** with business users for system acceptance testing.
- Implemented **BDD test automation using Cucumber and Gherkin**.
- Performed **backend load testing using JMeter**.

Software Engineer

Qualcomm | Collabera Technologies   **10/2013 - 09/2015**
- Developed **Python-based automation scripts** for Windows platform using **PyTest and TAEF**.
- Analyzed **test logs and system crashes** for root cause identification.
- Automated **embedded system test cases** for daily builds using **Robot Framework**.

Software Engineer

Zebra Technologies | Kelly Services   **03/2011 - 09/2013**
- Conducted **WLAN and Bluetooth connectivity testing (802.11 b/g/n, WPA2, Radius servers)**.
- Performed **security, performance, and interoperability testing**.
- Utilized **sniffer tools** for wireless log validation.

EDUCATION

Bachelor of Engineering, Electronic & Communication Engineering
Anna University • Chennai, India • 2006 - 2010