Charan Ravi

Software Development Engineer in Test

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PROFESSIONAL SUMMARY

SDET with over 3 years of hands-on experience in Tool Development, Automation for AI Models and Managed a 4 Member team.
Gained invaluable experience in testing (ISTQB Certified) and automating for webOS OSE, Apollo Project, Android, and Home Appliance & AirSolution domains at LG. Also an active contributor to the open source community on GitHub.

TECHNICAL SKILLS

Languages: **PYTHON, GO, HTML, CSS, JAVASCRIPT**

Tools: **JENKINS, GIT, GITHUB, FIREBASE, JMETER, POSTMAN, DOCKER, BASH, LINUX**

Frameworks: **APPIUM, SELENIUM, PYTEST**

Software Methodologies: **AGILE SOFTWARE DEVELOPMENT PRACTICE**

EXPERIENCE

2021-Present **LG SOFT INDIA**   Bangalore, India
Software Development Engineer in Test

webOS OSE
- Managed the allocation, coordination, and management of a team to successfully release webOS OSE v2.20.1, ensuring testing completion within established timelines and meeting 100% good quality standards.
- Implemented an automation framework using Selenium & Appium from scratch, that automates & tests the firmware updates to a number of products like Air Conditioner, Refrigerator, Washing Machine and Android devices providing 100% confidence in the Firmware Updates.

AITS (AI Testing Solution)
- Created and Enhanced the internal AI testing tool (AITS) which focuses on testing of the AI models such as ASR, NLP, TTS, ETWD etc and custom proprietary AI Engines increasing efficiency by 12%.
- Automated Tests for AI Models using tools such as Python, Jenkins & Jmeter hereby enabling tests to run in a continuous integration environment to ensure that AI models are functioning properly meeting the set standards.

PROJECTS (PERSONAL & GITHUB OPEN SOURCE CONTRIBUTIONS)

2024   **WIKI**
Wikipedia From Your Terminal - https://charanravi.com/wiki-project
- Developed, authored and an active maintainer of a Python-based CLI tool for searching and viewing Wikipedia articles from the terminal which can increase user efficiency by 30%.

2023   **BTC CONVERTER**
A Simple BTC to Satoshi Converter - https://github.com/bitkarrot/satsconverter
- Contributed to the development of the "SatsConverter" at The Bitcoin Association of Hong Kong repository, which resulted in a 40% increase in user engagement.

CERTIFICATIONS

2023   **ISTQB FOUNDATION LEVEL**
ISTQB International Software Testing Board | Credential ID: CTFL-126241 India

2023   **PYTHON**
HackerRank | Credential ID: dfa000422e2e

EDUCATION

2018-2021   **MS RAMAIAH COLLEGE OF ARTS, SCIENCE & COMMERCE**   Bangalore, India
Bachelors in Computer Application (8.7 SGPA)