

# DINAKARAN PRABALANATHAN

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## PROFESSIONAL SUMMARY

Looking to secure the role of a QA Engineer in an organization that provides challenging opportunities for growth and learning. I have 5+ years of experience in Automation and Manual Testing at Amazon.

## EXPERIENCE

**01-04-2024 – PRESENT**

### QUALITY ASSURANCE TECHNICIAN, AMAZON, CHENNAI

- Designed detailed test plans and test cases for Functional, Regression, Smoke, and Sanity testing across multiple platforms, ensuring reliable validation before every release cycle.
- Executed end-to-end Defect Tracking using Jira and TestRail aligned with SDLC and STLC processes, providing clear failure reports and validation evidence to developers.
- Managed and maintained 200+ Linux hosts in device labs, and automated package compliance and environment readiness using Python and Bash scripting to prevent software issues before test execution.
- Developed automation scripts using Python, Selenium, and Playwright to enhance regression coverage and improve release quality.
- Built an MCP-based autonomous Failure Triage and Recovery system integrated with an AI chatbot and REST API tools that analyzes failures, categorizes root causes, triggers automated re-runs, updates Jira and TestRail, performs safe code validation in isolated directories, and notifies owners via Email/Slack — completely removing daily manual triage activities.
- Performed build validation and test readiness checks using Jenkins before execution cycles to ensure stable test environments.

**03-05-2021 – 01-04-2024 (3 YEARS)**

### DEVICE ASSOCIATE, AMAZON, CHENNAI

- Executed manual and automated test cases across multiple devices with timely and accurate reporting.
- Performed Functional, Regression, Smoke, and Sanity Testing with effective defect reporting.
- Owned testing activities for 5+ devices and received 3 Spot Awards for quality excellence.

## **PROJECT WORKS IN AMAZON:**

- Automated Test Re-runner System using Python and REST APIs to rerun failed suites during idle time, improving device utilization and saving hundreds of hours monthly.
- Automated Device Health Check and Jira Ticket Creation across 200+ devices, reducing manual effort drastically.
- Test Suite Comparator Tool to identify missing test modules across builds and branches.

## **EDUCATION**

### **DECEMBER 2020**

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING, KONGU ENGINEERING COLLEGE —  
CGPA: 6.78

### **APRIL 2017**

DIPLOMA IN EEE, KONGU POLYTECHNIC COLLEGE — 88%

## **SKILLS**

- Python, Selenium, Playwright (Python & JavaScript), Bash, MCP Server/Client Architecture
- Test Case Design, Test Plan Preparation, Functional, Regression, Smoke, Sanity Testing
- Jira, TestRail, Git, Jenkins, Linux, REST APIs
- SDLC, STLC, Defect Lifecycle, Root Cause Analysis, Log Analysis, Agile Scrum

## **AWARDS AND ACTIVITIES**

- 3× Spot Awards – Amazon
- 2× Innovation Awards – Amazon
- Excellent in Leadership Award – WERP India Internship