# DINAKARAN PRABALANATHAN

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Looking to secure the role of a QA Engineer in your organization that would provide challenging opportunities for growth and expanding learning. I have 3+ Year of experience in Automation and Manual testing at Amazon.

# EXPERIENCE

**01-04-2024 – PRESENT**

**QUALITY ASSURANCE TECHNICIAN,** AMAZON, CHENNAI

Developing and Executing test plan & test cases and reporting results in time, clear and concise manner.

- Developed and implemented N number of comprehensive test suite scripts to enhance software quality assurance processes, ensuring robust testing coverage and improved defect detection. Successfully onboarded these scripts into the testing framework, streamlining the testing workflow and contributing to more efficient release cycles.
- Demonstrated a robust testing methodology by designing and executing structured test plans that ensured thorough validation of software functionality and performance. This systematic approach not only improved defect identification but also enhanced overall product quality and reliability

**03-05-2021 – 01-04-2024 (3 YEAR)**

**DEVICE ASSOCIATE,** AMAZON, CHENNAI

Executing test plan & test cases and reporting results in timely, clear and concise manner. I received spot award 3 times on Quarterly meeting.

- As a Test Associate, I successfully managed ownership of five devices, demonstrating exceptional performance and commitment to quality assurance. My efforts were recognized with two awards for excellence in service delivery, reflecting my dedication to enhancing operational efficiency and customer satisfaction.

# PROJECT WORKS IN AMAZON:

- Developed and implemented a Comparator tool to analyze test suites and test cases across various builds, including RBx and MAINLINE branches. This tool significantly enhanced efficiency in identifying missing test suites and modules, particularly during ace_main_dev Branch Outs and Release Branch Release Candidate/Limited Availability build checks. The implementation resulted in a monthly time savings of 28.75 hours, translating to an annual effort reduction of 345 hours and cost savings of $181.43.
- Engineered an automated Python script to streamline daily device checks across 2 labs / 200+ devices, drastically reducing manual effort in identifying affected devices and creating Jira tickets. This innovation cut the daily process time from three hours to a fraction, leading to substantial time savings across multiple teams. For my team alone, this resulted in 132.25 hours saved per month, equating to 1,587 hours annually and $834.60 in cost savings.

- Architected and implemented an Automated Test Re-runner solution using Python and RESTful APIs to optimize test execution efficiency across AMD and RBx platforms. This innovative system automatically identifies and reruns failed test suites during idle periods, eliminating the previous 4–5-hour manual rerun process per target and maximizing device utilization during off-hours and weekends. The solution processes test data through custom APIs, generates detailed CSV reports, and executes intelligent rerun strategies using a sophisticated scheduler-test suite mapping system. This automation resulted in significant efficiency gains, saving 287 hours monthly for AMD and 479.64 hours for RBx platforms, translating to annual cost savings of $1,811.19 and $3,026.88 respectively. The system features comprehensive error handling, automatic HTML report generation, and integration with multiple cloud services, demonstrating exceptional impact on operational efficiency and resource utilization

## EDUCATION

**DECEMBER 2020**
**B.E. ELECTRICAL AND ELECTRONICS ENGINEERING,** KONGU ENGINEERING COLLEGE
CGPA – 6.78

**APRIL 2017**
**DIPLOMA IN EEE,** KONGU POLYTECHNIC COLLEGE
PERSENTAGE – 88%

## SKILLS

- Python with selenium
- Python with Playwright
- Jira
- Teamwork
- Project Management

- Bash scripting
- Java Script with Playwright
- Manual Testing
- Agile scrum
- Testrail

## AWARDS AND ACTIVITIES

- Secured 3 time-spot awards during my entry-level period at Amazon.
- Secured 2-time Innovation Award for completing my innovative idea.
- Secured **"Excellent in Leadership Award"** in the Leadership Internship in **WERP-INDIA**