

# PRABHAKHAR P V

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## Career Objective:

To excel in the challenging field of Information Technology and Software Testing as a thorough professional, with the help of my experience in Information Technology and do work efficiently for progress of the organization and continue to develop my own skills. Seeking a position where I can utilize my skills and abilities that offers professional growth while being resourceful, innovative, and flexible

## Profile Summary:

- Experience in software testing on Product and Web based applications(manual & automation).
- Automation Expertise: Python (pytest), Selenium, C++(GTest).
- Manual Testing: Functional, regression, and performance testing.
- Test Case Development: Writing and executing test cases for various applications.
- API Testing: Using Postman and REST APIs for validation.
- Cloud Licensing Testing: CI/CD integration for Cloud Licensing Server (CLS) → Local Licensing Server (LLS) → Android device test cases.
- Thales Sentinel Licensing: Implementing API calls for license validation on Android devices.
- CI/CD Integration: Automating test cases for seamless deployment.
- Defect Management: Expert in identify defects and file defects into bug tracking tool **Jira**.
- Agile & Scrum: Working in Agile environments for efficient test execution.
- Good experience on developing dynamic **XPATH** and **CSS** for identify web elements.
- Automated REST API test cases using python **pytest** framework.
- Experienced on **OOPs**, **packages** and **modules** concepts using Python.
- Work experience on **Regression**, **sanity**, **UAT** and **performance** testing.
- Hands on experienced on **GIT** repository.
- Expert in manual testing, **SDLC**, **TDLC** and **Bug Lifecycles**.

## Work Experience:

- 1) Working as a Software Engineer in **Zebra Technologies (Bangalore)** from September 2021 to till date.

### Skills:

Languages	:	Python, C++
Tools	:	JIRA, GIT, POSTMAN, JENKINS and Selenium
Database Tools	:	MySQL
Operating system	:	Windows and Linux
Software Testing	:	Automation and Manual testing
Frameworks	:	Pytest, GTest and Robot

### Projects Summary:

Current in Zebra Technologies Working on Projects LMU (**Load Monitoring Unit**), SDL(**Software Decode Library**) and SDC(**Software Decode Camera**) Android for Licensing Server

#### **Project 1:**

Project Name	:	LMU ( <b>Load Monitoring Unit</b> )
Environment	:	Python and Pytest Framework.
Team size	:	2
Duration	:	September 2021 to till date

#### **Project Description:**

The LMU (Load Monitoring Unit) is a hardware product that gets installed at each loading bay door and captures the real-time loading scenario in three dimensions. This data is aggregated and analysed by a central server TLA(Trailer Load Analytics).

#### **Responsibilities:**

- Testing both FTP and SD Card New and Old OS builds on TM2000 and TM1000 devices.
- Executing Web-UI RM Command and CMM-UI automation test scripts and integrating to Jenkins CI/CD.
- Preparing SD Card to update on TM2000 devices and perform both Regression and Sanity Test.
- Testing firmware updation using USB Staging Process
- Wrote ML Door Status Result Analyser test cases using python.
- Issues reporting/clarifications, raising bugs if product issues.

#### **Project 2:**

Project Name	:	SDL Android ( <b>Software Decode Library</b> )
Environment	:	Python and Pytest Framework.
Team size	:	2
Duration	:	September 2024 to till date

#### **Project Description:**

The SDL (**Software Decode Library**) interacts with scanning devices and provides operational information of Android Java applications. Enables host-resident applications to access data decoded from captured images and set system parameters using Software Decode API. Image sensor in the scan engine captures image of the barcode through the engines optical lens. The imagery engine transmits the image through camera driver and through hardware abstraction layer to the JNI layer. The decoding libraries at JNI layer receive the image and decode any barcode found in the image. Barcode data sent to the Java host application using a callback function.

### **Responsibilities:**

- Developed test suites for Decode API automation using pytest framework.
- Manually testing decode .so libraries Basic Scan Engine functionalities using different parameters in the shared SDLGui application.
- Executing Barcode Symbolologies and OCR feature automation test scripts and integrating to Jenkins CI/CD.
- Testing decode performance of different Scan Engines.
- Device setup using Android base image and SDL Images on top of that loading decode libraries and SDLGui
- Used GIT version control tool for code management and used git commands.
- Issues reporting/clarifications, raising bugs if product issues.

### **Project 3:**

Project Name	:	SDC Android (Software Decode Camera)
Environment	:	JUnittest and and License server task validation
Team size	:	2
Duration	:	March 2025 (on-going)

### **Project Description:**

The Camera Software Decode SDK for Android empowers devices to receive and decode images from any standard camera. The software decode library enables host-resident applications to access data decoded from captured images and set system parameters using Software Decode API. The SDK software decode libraries are used with the Android camera service to make up a complete barcode decoding solution.

### **Educational Details:**

I have qualified B.E(ECE) from Sai Vidya Institute of Technology, Bangalore in 2015.

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge.

**Place : Bangalore**

**Prabhakhar P V**

**Date :**