Syed Zahid Hussain

Senior Software Engineer

+91 8801310500 • sd.zahidhussain@gmail.com • https://www.linkedin.com/in/sdzahidhussain

Professional Summary

Highly motivated Senior Software Engineer with 7+ years of experience specializing in Python development. Expertise in delivering robust, well-tested applications leveraging Python, Django, Flask, REST APIs, and SQL. Strong problem-solving mindset, with a proven ability to identify and debug complex issues. Effective communicator and adaptable team player experienced in collaborating remotely with cross-functional teams.

Expertise and Technical Proficiencies

- **Programming:** Python 3/2, SQL, Javascript
- **Frameworks:** Django, Flask
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Data Analysis/Machine Learning:** NumPy, Pandas
- **Cloud Technology**: AWS
- **Web Development:** REST APIs, JSON, HTML, CSS
- **Tools & Technologies:** Git, Bitbucket, Jira, Visual Studio Code, PyCharm, PowerBI, RFID devices
- **Testing:** Unit testing (Unittest), Pytest, Manual testing, BDD(Behaviour-driven development)

Soft Skills

- **Communication**: Communicated technical requirements to product teams, ensuring alignment between development and business needs.
- **Problem-solving and Troubleshooting**: Demonstrated strong problem-solving skills by utilizing various tools to identify and resolve critical software defects.
- **Adaptability**: Adaptable team player experienced in collaborating effectively with remote colleagues across various time zones.
- **Teamwork**: Collaborated with a cross-functional team of 5+ engineers to deliver a major software release ahead of schedule.

Employment Experience

Quest Global Engineering Services Pvt Ltd *Senior Software Engineer*	Hyderabad, India Dec 2021 - Present
Ojas Innovative Technologies Pvt Ltd Software Engineer	Hyderabad, India Feb 2021 - Dec 2021
Turpy Mobile Apps Pvt Ltd Software Developer	Hyderabad, India Oct 2019 - Jan 2021
RMSI Pvt Ltd GIS Engineer	Hyderabad, India Jan 2017 - Oct 2019

Major Projects

1. TAF-GUI Application

The TAF-GUI (Test Automation Framework - Graphical User Interface) application is designed to simplify and streamline the process of running hardware tests that were traditionally executed using complex command-line interfaces (CLI). The application provides a user-friendly GUI that allows users to easily select test parameters, execute tests, view log details and test reports. The transition from CLI to GUI not only enhances user experience but also facilitates efficient test management.

Roles and Responsibilities :

- Analyzing and understanding customer requirements for hardware testing.
- Developing and executing test cases for hardware tests.
- Monitoring system errors and collaborating with colleagues to address and resolve issues.
- Identifying and addressing bugs in the system to improve application reliability.
- Conducting thorough testing of the product after its presentation to ensure functionality and reliability.
- Utilizing pytest for testing the application, ensuring robust and comprehensive test coverage.
- Implementing automated testing using a BDD framework for improved efficiency and accuracy.
- Contributing to the development of the backend using the Flask framework.
- Managing version control using Git to track changes, collaborate effectively, and maintain code integrity.
- Implement CI/CD pipeline using Jenkins, AWS Cloud
- Conducting manual testing of the application to ensure user experience and functionality meet expectations.

2. Test Gap Analysis

The Test Gap Analysis project involves a comprehensive examination of each feature within various protocols. Specifically, this framework operates as a crucial component of the Impinj Test Driven Test. In the case of the LLRP protocol, the customer has already executed several test scenarios. Our task is to identify any gaps in these scenarios, focusing on parameters and their corresponding fields that may be missing or incomplete.

Roles and Responsibilities :

- Automated testing using behaviour-driven development (BDD) framework.
- Conducted a detailed analysis of the LLRP protocol, understanding its features, parameters, and fields.

- Reviewed the existing test scenarios for the LLRP protocol.
- Identified missing parameters and fields within the implemented scenarios.
- Conducted a systematic analysis to ensure all aspects of the protocol were adequately covered.
- Involved in BUG fixing.
- Used GIT as version controlling of the project as required.

3. Teabar (Mobile App)

Using Teabar , users can order beverages & snacks online. And users are able to track live orders to check if order is prepared or picked. And also, able to live track delivery right from the restaurant to the user doorstep.

Roles and Responsibilities :
- API Design and Development for the mobile application.
- Monitoring analytics and internal data sources.
- Supervise all activities and product development.
- Work closely with mobile development and technical teams.
- Prepare reports and analyse conversion numbers.
- Team Management and Progress Monitoring.
- Involved in BUG fixing.
- Used GIT as version controlling of the project as required.

4. PlayAt (Sports Ground/Court Booking APP)

PlayAt is a ground booking Mobile App for Sports enthusiasts around Hyderabad, Developed by Turpy Mobile Apps Pvt Ltd. PlayAt shows you nearby sports facilities and makes an instant booking of available playing slots. Users will get the notifications of the events happening at the Sports Arena.

Roles and Responsibilities :
- Involved in Requirement Analysis and business requirement documents.
- Involved in coding integration like payment processing to merchants, data seeding via flat files, reports and dashboards generating, etc.
- Keep tracking the task/issues list
- Involved in BUG fixing.
- Used GIT as version controlling of the project as required.