

## PDI Technologies Team extension – Test Automation Engineer

### Summary

Our well-established client, PDI Technologies, required an experienced test automation engineer to support the new functionality of logging into a mobile application using OAuth 2.0 to access the Uber tenant from a backend application. The project focused on transactions and rewards associated with fuel benefit cards.

**Project length:** 21 months

**Technology to test:** Serenity, Java, Rest API

**Used tools:** Serenity, Cucumber, Java, AWS, Maven, Rest API testing, Jira, Zephyr, Apache Kafka, Postman, SQL, UML, Git, Confluence

**Keywords:** Test automation, Functional tests, Integration tests, Scrum, Test analysis, Quality assurance testing

### Solution

#### Introducing the candidate

SANAE responded to PDI Technologies needs by providing suitable candidate from its' internal headcount.

Selected candidate has been assigned to the project in the agreed time.

#### Working on the project

A fuel benefit card, also known as a fuel or discount card, is a tool that drivers can use to obtain discounts, rewards, or other benefits when purchasing fuel. Here are some key features and benefits that such cards can provide: fuel discounts, points accumulation, partner discounts, special offers and promotions, and convenience.

The consultant's involvement pertained to test automation within the Serenity framework using Java. His main activities included:

- Creating automated tests for web services, database calls, Kafka calls, and WireMock.
- Write test scenarios in Zephyr and link these scenarios with Jenkins for testing execution.
- Call data is saved in Kafka.
- Write test collections in Postman.
- Write tests using WireMock.
- Deploy developer code with our automation tests in Jenkins for every deployment environment.
- Set up project data on AWS.

### Benefits

PDI Technologies benefited from the cooperation with SANAE by acquiring a skilled professional with a lot of experience together with technical skills that contributed greatly to the success of the project.