



STRENGTHENING COMMUNITY POLICING IN ALBANIA

Call for Expression of Interest

Call for 2 (two) Developer Experts to develop the software for the management of speed radars and the module for the supervisor for the Albanian State Police.

Type of Contract	-	Short term consultancy
Languages Required	-	English and Albanian
Location		Tirana
Duration	-	80 w/days each Developer Expert
Commencement Date	-	mid January 2022

1. Background

The SCPA Program recently donated 6 speed radars for the Albanian State Police, together with 110 tablets and printers to be used by the Traffic Police Patrols.

The radars provided by SCPA are predominantly intended for automatic use.

In automatic mode the radars support the Traffic Police to detect violation of road traffic rules and register all the cars in video and photo mode. Additionally, there is the need to build a software to process electronically the information and generate the fines if not fully automatic, at least in half automatic mode.

2. Objective of the call for tender

The objective of this call for tender is to identify 2 (two) Developer Experts to develop the software for the management of speed radars and the module for the supervisor for the Albanian State Police.

3. Specifically, the tasks of the two Developer Expert are:

- Write the code based on the UML (Unified Modeling Language) with the purpose of visually representing a system along with its main actors, roles, actions, artifacts or classes, in order to better understand, alter, maintain, or document information about the system. Developer should use Comments and Naming Conventions rules to make the code understandable for other developers.
- Develop User Interface using HTML, JS, CSS, and their improved versions like Angular or React. The user interface should support different browsers.
- Configure MQ Platform based on the framework chosen. Design high performant Topic/Subscription channels and implement ACK handshake for ensuring message delivery.
- Note: Developer should use the latest versions of any technology: He/She should separate different layers of the system in at least: Frontend and Backend. These layers should use Dependency Injection for managing resources. In addition, the developer should use Query optimization techniques as attempts to determine the most efficient way to execute a given query by considering the possible query plans, as well as configure the database for the most efficient use of resources to help boost the system's efficiency and overall performance
- Should participate in "Training of trainers" and monitor the "pilot" phase

4. Duration

The start date is foreseen mid -January 2022 and the duration of the task is 80 w/days per each developer expert.

5. Skills and Competencies

The candidates should demonstrate the ability to successfully carry out the tasks foreseen for the overall study.

Qualifications

- Has at least 3 years of JAVA programming experience
- Good knowledge on JSF, EJB, SpringBoot, JPA, Hibernate, SOAP, REST, OAUTH2, Oracle Keyword, Stored Procedures, Functions, Pipelines, Triggers
- Work experience on WEB technologies (Angular2, Bootstrap, JSF, MVC, SASS)
- Good knowledge on WebSocket Technologies like RabbitMQ or Apache Kafka
- Good knowledge on Database (RDMS)

Essential competencies

- Good communication and interpersonal skills.
- Good references for previous similar work
- Ability to work in a group
- Experience of working with police, law enforcement actors, local government actors and civil society, is an advantage

6. Deadline for receipt of applications: - 30th of December 2021, hrs 16:30 PM.

The candidates shall submit a Cover Letter and an updated CV in English language.

The application shall be submitted electronically to info@cp-project.al

Only shortlisted candidates will be contacted.