



**Description for the Position –NLU/ASR/NLP/TTS/Chatbot Developer/Engineer**  
**Proficiency in Local Language Mandatory**  
**Residence/work Permit OR Citizenship Mandatory**  
**Job Location – Milano- Italy; Paris-France; Munich-Germany; Madrid-Spain**  
**Job Type: 12 Months extendable Job**

### **1. Natural Language Understanding (NLU)**

Here you get to be a part of the **Natural Language Understanding/Automatic Speech Recognition** team that's responsible for a wide variety of speech-related research and development activities.

The incumbent will be a part of team who would be a brain behind building a new voice assistance or Artificial intelligence recognition Apps (like Siri/ Cortana/ Google assistance) for one of our world class mobile customer.

#### **Roles and Requirements**

- Expertise in one or more of the following domains: **Natural Language Understanding (NLU)** and Natural Language Generation (NLG), Knowledge Base Management
- Knowledge of SW configuration management
- Knowledge of **NLP** or **Machine Learning** is preferred
- Strong interest in, and knowledge of **Artificial Intelligence** and its subfields.

### **2. Automatic Speech Recognition (ASR):**

Here you will be a part of a team that's responsible for a wide variety of **speech-related research** and development activities, including acoustic modeling, language modeling and tools development.

#### **Roles and requirements:**

- You will be working with other members of the R&D team on extending and improving components of our **speech understanding** based documentation platform
- Experience working with standard speech recognition toolkits is preferred
- Experience working on ASR systems in multiple languages is preferred
- Experience in Data processing technologies for **ASR engine, Acoustic Model (AM), Language Model (AM), Inverse-Text Normalization(ITN)** would be asset

### **3. Natural Language Generation (NLG)**

The incumbent will be a part of team who would be the brain behind building a **new voice assistance** or Artificial intelligence recognition App (like Siri/ Cortana/ Google assistance that



transform their data into narratives) for one of our world class mobile customer. we need Senior **Machine Intelligence/Natural Language Generation** Engineer for our team.

**Roles and Requirements:**

- Acquire and bring structure to data so that it can be used in advanced **natural language generation apps**.
- An emphasis on incorporating human decisions into highly automated systems.
- Strong track record collaborating with data science, product, and engineering teams.
- Expertise in one or more of the following domains: **Natural Language Understanding (NLU)** and **Natural Language Generation (NLG)**, Knowledge Base Management

**4. Text to Speech (TTS)**

The incumbent will be a part of team who would be the brain behind building a new voice assistance or **Artificial intelligence recognition App (like Siri/ Cortana/ Google assistance** that transform their data into narratives) for one of our world class mobile customer. we need Senior Machine Intelligence/Natural Language Generation Engineer for our team.

**Roles:**

- Our goal is to make our voice as natural as human's (voice)!
- Apply latest technologies to the world's leading TTS solution in the application in question
- Work closely with linguists and researches to improve quality, speed and accuracy. We solve complex technological problems using latest domain knowledge from areas of **Speech Synthesis and Machine Learning**.
- The ideal candidate is deeply passionate about new opportunities. Commitment to team work, hustle, and strong communication skills are in high value.
- Knowledge in **Natural language processing** would be an asset:

**5. Chatbot**

**Roles and Responsibilities:**

- Add more logic which is language-specific, if needed.
- Fine-tuning the training module
- Adding more elsif statement for other POS or modify the weight value.
- Try to replace the POS-tagger and modify training module (Train.pl), if needed.
- Run the engine based on that TC and training DB as well.
- Check the performance of the engine and the result of POS tagger as well.

**Start Date: 1<sup>st</sup> week of January, 2018**

**Interview Process:** One Telephone Discussion, Skype Discussion and HR Round. Please email me your CVs at [ela.gupta@infoplusltd.co.uk](mailto:ela.gupta@infoplusltd.co.uk) / [nithya.r@infoplusltd.co.uk](mailto:nithya.r@infoplusltd.co.uk) or call at +44 3339980453