



Gram Vaani provides voice-based (multi – channel accessible) interactive media services to underserved populations in developing regions. Even poorly literate people are able to use the service through low-end mobile phones to access and share useful information which empowers them both economically and socially. The service also provides a communication channel to social sector organizations, companies, and governments to engage with rural users and leverage our user familiarity to design promotional and behavior change campaigns. Over 150 social development organizations across 6 countries have used our platforms, and we are running two of the largest ICT for Development initiatives in the world – Mobile Vaani, a voice-based community media platform for the underserved, and a suite of job aid tools for community health workers in Bihar and two additional states.

## **Opening for Senior Member of Technical Staff – Full stack Developer**

We at GramVaani are working on a rich, varied and exciting technology stack which is at the cutting edge of multitudes of technologies.

It incorporates the following – AI/ML for language processing (NLP/NLU), Computer Vision for Optical Scanning of hand-filled health data forms, an inbuilt IVR stack which has served more than a 3 million users and 150 global and national partners. It has now been scaled further by AI/ML based automation for automatic Q&A, voice-bot and Moderation functionalities, an android stack to connect with the urban/semi urban user base and a rich Analytics system which is at the heart of understanding the engagement and impact of different social sector interventions.

We are looking for technology professionals and socially conscious leaders who can work in a fast-paced environment and a dynamic technology spectrum, at ease with learning new skills and technologies and a passion to be socially impactful. We welcome people with varied skill sets but the current priority/role requires experience in full stack development and a suitable experience/expertise of working on AI/ML. The full stack experience should ideally be in Python/Django with experience of relational databases and web front end technologies like angular/react.

Below are the criteria for applying to the position -

### **Must have skills and experience:**

- 4+ years of development experience
- 3+ years of experience working with python-based web development framework like Django/Flask or
- Fluency in version management using git
- Experience with relational databases (e.g. MySQL/PostgreSQL) and key-value and document-based databases (e.g. DynamoDB, MongoDB)
- Good knowledge of front-end technologies (e.g. Angular)
- Experience working on Amazon AWS/Google cloud etc.

## Highly valued skills

- Mobile App design and development for Android platform
- Experience developing around Free switch or Asterisk
- Experience with Google dialogue flow, Amazon Alexa skills
- Experience designing and building Micro-Services on cloud-based platforms using AWS lambda, Api Gateways etc.
- Experience working with modern BI systems and Data-Analytics
- Experience in AI/ML technologies for NLP/NLU or Computer vision

## The culture

We are a lean company and growing quickly. This means the chosen candidate will need to be very comfortable managing rapidly changing requirements and accordingly envision, build and deploy new strategies and tactics to quickly respond. The person will need to make the most out of limited resources, and be able to work and act independently to lead the assignment. The upside to our methods is that we are building a business that has never been seen before by providing highly desired services to millions of people who have consistently been under looked by existing service providers. The position will be at the vanguard of this transformative opportunity and working with us will be an amazing, highly rewarding experience.

## Write to us

The position is based out of Bangalore or New Delhi but will require travel to various parts of the country. Please email your CV to [kanika.wadehra@oniondev.com](mailto:kanika.wadehra@oniondev.com) and [rachit.pandey@oniondev.com](mailto:rachit.pandey@oniondev.com)



*Technology. Media. Development*



## About us

Mobile Vaani is a product of the social enterprise Gram Vaani, operating as OnionDev Technologies Pvt Ltd.

Gram Vaani, meaning 'voice of the village', has been building innovative technologies and sustainability processes for the underserved population, to be able to reverse the flow of information and make it bottom-up instead of top-down. We want to empower poor and marginalized communities to voice their opinions and demands. Starting in 2009, we built a pioneering radio automation system that now runs at 40+ community radio stations in India and 10 in Africa, enabling an aggregate population of 2 million people to create their own local media. In 2011, we built a radio-over-phone citizen journalism service that is now deployed in central India, and in Afghanistan and Pakistan internationally, and has a usage of over 15000+ calls per day. Our technologies thus empower even poorly-literate and low-income communities to create and share local content.

Our teams have won several awards:

- Knight News Challenge in 2008 for low-cost technology for community radio stations
- Manthan Awards in 2009 for innovations in technology for development
- Economic Times Power of Ideas awards in 2010 for our unique business model
- mBillionth South Asia Award in 2012 and 2014 for innovations in journalism for rural areas
- Grand Challenges Rising Stars award in 2012 for improving health services in rural areas using technology
- Flame Rural Marketing Award in 2014 for our unique advertising and marketing model
- NASSCOM Social Innovation Forum Challenge 2016 for our multi-layered development model through technology
- Grand Challenges award in 2017 for immunization behavior change through technology
- Finalists in the Equals in Tech award in 2018 for helping bridge the digital gender divide