

## Rahul S Reddy

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### Career Abstract:

- Experienced Python Developer with over 5 years of industrial experience in designing, development, deployment, and maintenance of Web Apps and AI applications in Python.
- Good experience in building Data Pipelines, working with distributed systems and orchestration of the pipelines.
- Good knowledge in Django, Flask, FastAPI, ReactJs, Kafka, Docker, MySQL, MongoDB, Apache Airflow, Nginx, and Solr and AWS services (ECR, EC2, S3, Lambda).
- Hands on experience in building Micro services and knowledge in Kubernetes.
- Good hands on with Linux and Unix systems.

### Technical Competencies:

<b>Tools/ Applications</b>	Python, Django, Flask, FastAPI, Apache Airflow, MySQL, Kafka, Docker, MongoDB, Solr, ReactJs, JavaScript, Nginx, Git, CSS, HTML, AWS Services
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### Organizational Experience:

**Cogknit Semantics Pvt. Ltd.**

**May 2020 till date**

**Designation: Senior Product Engineer/ Full-stack Developer**

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**School Serv India Solutions Pvt. Ltd.**

**Aug 2017 to May 2020**

**Designation: Senior Full Stack Developer**

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**Mahiti Infotech**

**Sep 2016 to Aug 2017**

**Designation: Junior Python Developer**

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### Project Details:

**Projects:** AUTOVOX/ ASR/ Annotation Portal/ Python Library for ETL processing

**May 2020 till date**

**Client:** DRDO / Moderna

**Role:** Senior Product Engineer/ Full-stack Developer

#### Description:

- **AUTOVOX:** Multilingual Speech Processing application provides next level of speech processing, transcription and translation tech to power voice commerce, and speech analytics. Built three APIs –

Audio Transcription API, Video Transcription API, and Machine Transcription API.

- **Automatic Speech Recognition:** Automatic Speech Recognition system was built in ML and AI. The system was built in a way that it accepts audio or video files and provides the transcription in the language that the model is trained on. The model now supports eight languages.
- **ETL:** Built a python library for carrying out the ETL process. The library extract the data from multiple sources, transforms the data and finally loads the data on cloud instance.
- **Annotation Portal:** The portal is used by linguistics for annotation of speech and vision data. Helps in enhancing the quality of the speech.

**Responsibilities:**

- Involved in designing the complete architecture of the system.
- Responsible for creating the REST APIs using Python, Django and FastAPI.
- Involved in creating data pipeline using tools like Kafka, Airflow and also built the Micro services.
- Hands on experience in Dockerization of micro services and deployment on the client premises.
- Participated in all phases of software development, deployment, and unit testing of the application.
- Responsible for creating the API documentation and involved in code reviews.
- Worked with multiple data sources.
- Involved in packaging the python library and made it reusable for future ETL integrations.

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**Projects:** School Super Mart/ CRM/ educatorOne

**Aug 2017 to May 2020**

**Client:** School Serv Solutions Pvt Ltd

**Role:** Full Stack Developer

**Description:**

- **School Super Mart:** School Super Mart is a hyperlocal marketplace for modern classroom. Schools can buy top quality school supplies such as playschool furniture, classroom furniture, toys for school, preschool material, Montessori school material and stationery.
- **CRM:** Tool for managing the school requirements and needs. It was designed for tracking all the activities including managing inquiries, converting them into opportunities, and raising the invoices. The tool also has the HR management for tracking leaves and payroll and employee task tracking.
- **educatorOne.com:** educatorOne.com is an exclusive teaching jobs search site. educatorOne.com features K-12 teacher job opportunities in top CBSE schools, ICSE schools, IGCSE schools, IB schools, Preschools, Play Schools, Primary Schools and State Board Schools. Teachers can apply online for various vacant positions in K-12 schools.

**Responsibilities:**

- Participated in all parts of software development aspects.
- Integrated multiple databases into a single system.
- Worked on Python, Django, JavaScript, HTML, CSS, Flask, GIT, Solr, and MySQL.
- Designed and implemented scalable backend and frontend for web applications.

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**Project:** Global Action on Poverty (GAP)

**Sep 2016 to Aug 2017**

**Client:** NGO

**Role:** Python Developer

**Description:** An NGO project for tracking the poverty related actions and programs.

**Responsibilities:**

- Functioned as a Python Developer with Django framework and MySQL as the database backend.
  - Implemented Django ORM Libraries.
  - Worked on Frontend Technologies like HTML, CSS, Javascript, Bootstrap.
  - Integrated multiple databases into a single system.
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**Educational Qualifications:**

- Master of Technology (Computer Science), PES Institute of Technology, 2015
- Bachelor of Technology (Computer Science), BTL Institute of Technology, 2012

**Certificates, Trainings, and Corporate Achievements:**

- Certifications:
  - Java Certification
  - Python