SE Sai Emmani

1-514-621-6467 | **E:** s.emmani@yahoo.com

1280 Rue Saint Marc Apt 910,H3H2G1

PROFESSIONAL SUMMARY

Passionate engineering graduate aspiring to be an enthusiastic solution architect and participate in development of Amazon's intelligent systems.

SKILLS

- Python
- pyTests
- nodeJS
- OOPS
- MongoDB
- MySQL

- AWS EC2
- AWS Lambda, API Gateway
- AngularJS
- Agile
- Socket.IO

EXPERIENCE

SOFTWARE ENGINEER   *08/2015 to 08/2017*

Tech Mahindra | Hyderabad, Telagana
Responsibilities

- Maintenance of existing applications written in Python.
- Development of RESTful APIs using Python REST API Framework.
- Participated in the maintenance of server instances at Amazon EC2. Managed files in S3 buckets using the S3 SDK.
- Used Git, Jenkins as part of the development process.
- Involved in User requirements, System requirements, and Design Specification reviews of project.

EDUCATION

Masters of Engineering | Electrical And Computer Engineering   *2017-2019*
Concordia University, Montréal, QC

Bachelors of Technology | Electrical and Electronics Engineering
K L University, Vijayawada,INDIA

PROJECTS

1.Realtime Messaging App
 Technologies Used: AngularJS, NodeJS, MongoDB, Docker

- A messaging application with the ability to create channels/ groups, Emoji chat, GIF chat.
- Used Socket programming tool called socket.io for the instant message transfer, that works on event-driven pattern. Used AngularJS for the User Interface design. MongoDB for the data storage.

2.Online Psychiatric Medicare System
 Technologies Used: Django, AngularJS, MySQL

- Developed an online medical system for Psychiatrists. Patients will be able to consult doctors over a low-resolution video conference. All the patient records are stored in the cloud. Patient records are accessed by the doctor and the operating clinic.
- Used Django for quick setup of the application with MySQL database. Functions in the application were written as REST APIs which are also secure with OAuth 2.0. Django REST Framework is used.

3.Event Driven Online Trading Application
 Technologies Used: AWS Lambda, NodeJS, MongoDB, AWS RDS

- An online auction system was designed and developed using Socket.io, an instant communication framework. Product auctions are done at a large scale and need real time updates between the buyers and sellers, which is achieved using socket-based data transfer.
- The Services were written as APIs which were deployed on AWS Lambda written in NodeJS along with AWS API Gateway. MongoDB was used for the data storage.