Mohsin Mumtaz

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EXPERIENCE

Slanglabs — Bangalore
Senior Software Engineer — *Sept 2021 - Present*

- **Web SDK**: Lead Web SDK product development and road map. During this period there was 2x improvement in customer integration and end user adoption.
- **NLU Intent Processor**: Built new way of processing intent on Slanglabs web SDK. This provided flexibility to handle entity resolution independently by apps.
- **Built new Domains**: Designed and implemented the new domain for web assistant sdk in tight deadline. It helped us secure POC and subsequent integration opportunity with large financial institution.
- **Conva Backend Platform**: Designed and Implemented API's for Slanglabs new Conva platform. Conva significantly reduced turnaround time in building, managing and integrating voice assistant.
- **Notification system for NLU assistant training**: Implemented SSE using google pubsub to notify assistant training status to console.
- **SKU Upload**: Designed and Implemented support for uploading large SKU data for assistant training. This resulted is over **50%** improvement in page loads

Slanglabs — Bangalore
Software Engineer — *Sept 2018 - Sept 2021*

- **Cache (blog link)**: Built Multi level cache to improve slang core inference performance by almost **25%**.
- **Analytics Microservice**: Built and scaled analytic ingestion pipeline to handle peak traffic.
- **Database**: Designed and Implemented postgress database for slang micro services from the flat files that ever earlier used to store data and performed optimization to handle concurrent requests.
- **Magento 2 Extension** : Implemented Magneto 2 extension that enable developers to add Slanglabs voice assistant to any online store with zero code implementation.
- **E2E testing infra**: Built entire e2e testing infra using Cypress for slang console which contributed to quicker release cycle.

Doselect — Bangalore
Software Engineering Intern — *Jan 2018 - August 2018*

- **Infrastructure tool**: Service to run deployments and metrics generations. Involved in building the tool from scratch and building utilities for effiecient report generation. Implemented asynchronous tasks using celery and RabbitMq.
- **RestFul API**: Built API to get solution revisions of the problems used by partner companies, built using tastypie framework. The feature is live and in production.
- **Mail Notifications**: Built feature for platform users to receive periodic email notification about users activity.
- **User Management API**: Core service for managing the user and user permissions from easy to use dashboard.

PROGRAMMING SKILLS

- **Languages**: Python, Golang, Javascript, Java

- **Technologies**: AWS, GCP, Firebase, Web Development, Docker, CircleCi

- **Libraries and Framework**: Tornado, Django, Flask, Celery

EDUCATION

Ramaiah Institute Of Technology — Bangalore,
Master of Computer Application; CGPA: 8.35 — *July. 2018*

Projects

- **Speech Recognition (blog link)**: A Speech to Text web application developed using python/django that performs streaming and non-streaming services.
- **Offline/Online indicator service**: Building a simple service which notifies if a user is offline/online during chat. The service is load balanced using nginx and stores user status in redis.
- **Vehicle Tracking System**: Arduino device to track vehicle with complete gps sensors and store location data in google firebase for access through web and mobile app interface.
- **Image Management API**: Rest API with GET, POST, PATCH request methods to save and retrieve images from the local file system stored by the API service. Developed using Python and Django Rest Framework.

Awards and Extra Curricular

- **Recognition for building productivity tool** — Slanglabs
  Built a docker-compose tool that helps developer run entire slanglabs tech stack with a single command. — *Jan 2021*

- **2nd Place in Payse Hackathon** — Nucleus Software
  Won online hackathon sponsored by nucleus software to find loopholes in their payment system. — *March 2019*