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CAREER SUMMARY

I am an experienced software application developer with dexterous hands, exploring many software stacks. In my **8 and half years** experience in the industry, I have developed cloud-based apps, web & mobile based apps, interface for network drivers, programmed micro controllers for AI based apps & robots. I am open to work in any software stack and my strengths mainly lies on Python(Django, flask) and NodeJS(Web Sockets & Express JS), Ansible.

I am a core member and Sr Software Engineer of Invento Robotics

WORK EXPERIENCE

Sr Software Engineer

Invento Robotics

2016 - Present

Heading the software division, & part of core founding team. Been part of presenting the robot in front of Indian Prime Minister **Shri Narendra Modi and Ivanka Trump** who is the Senior Advisor to the President of USA Mr Donald Trump during the Global Entrepreneurial Summit 2017. Responsible for Deploying the Robot in the Chennai Airport and unveiled by the Director of Airport Authorities of India.

Mitra is an indigenous robot which is completely built in India from hardware to software. Robot has multiple capabilities of speech recognition, Natural language Processing, Face Recognition, Autonomous Navigation.

Roles & Responsibility:

- Infrastructure management.
- Built a triggerless speech recognition system unlike Alexa or google home, with face detection and proximity sensor of the robot.
- Built NLP engine for the robot for multimodal conversations.
- Robot fleet management
- Created a IOT and Software platform to integrate the other software or IOT platforms by exposing the REST API.
- AWS, Google Cloud and Azure
- Created various hooks through which integration can happen seamlessly.

Achievements

- Created platform where clients can integrate with their chatbots
- Created scalable approach to build the multimodal conversations.

Technologies used:

Robotics Human Computer Interaction Angular JS Python Natural Language Processing
PostgresSQL Ansible Express JS Web Sockets

Product Engineer

TagIt

2015 - 2016

Served as a product engineer responsible for develop and maintain the product

Roles and Responsibility

- Part of the core product team of 10 members.
- Driving the R&D and incorporate the latest tech trends in the product.
- Implemented Firebase push notification for the mobile devices and integrated with the product.
- Reduced the POC time by 50% by creating templates for the modules and convinced the product team to familiarize with Python and NodeJS for POCs.
- Built the hybrid application for the existing mobile web application for various banks for Android, iOS, BlackBerry and Windows to provide seamless experience.
- Successfully migrated t

SKILLS & TOOLS

Backend

Python/Django
Python/Flask
Database - SQL/PSQL

Frontend

Angular JS
JavaScript
Node.js
HTML/SASS/CSS/Bootstrap

AI/ML

NLP
Face Recognition

Others

DevOps Code Review Git
Unit Testing

EDUCATION

Bachelors in Engineering

Anna University
2007 - 2011

COURSERA

Dynamic Programming,
Algorithms

LANGUAGE

Tamil(தமிழ்) (Native)

English (Professional)

Sanskrit(संस्कृत) (Medium)

- Angular JS for few middle wares and converted t
- Single Page Applications.
- POC on Progressive web application and service workers.

Technologies used:

- Angular JS
- Flask
- Node JS
- Bootstrap

System Analyst

CSS Corp

2015 May - 2015 Nov

Served as a system analyst for a very short stint, where I was responsible for maintaining a leader tire companies e-commerce web application.

Roles & Responsibility:

Mobile and web application for a leading global tyre company.
Built Single Page application using Angular JS with JAVA.
Enterprise application with different roles based on the profiles.

Member of Technical Staff

NP Compete Technologies

2012 - 2015

Part of the start up companies, holding multiple projects from cloud based network management tools, fintech & health care.

- Part of 8-member engineering team building enterprise application for cloud-based networking management tool for routers and switches and mobile first approach.
- Co-ordinated with the customer and their team for code merging and deployment.
- Enforced MVC model, for a Python Flask (server side) based architecture and migrated from conventional SQL queries to ORM technique (SQLAlchemy) and Liquibase.
- Built Single Page Application using Python Flask and Angular JS.
- Built REST APIs for interfacing with the network drivers and versioning for different firmware versions.
- Built analytics tools and report generation using PHANTOM JS(headless browser).
- Implemented Selenium for Automation testing.

Technologies used:

- Python
- jQuery
- HTML/SASS/CSS/Bootstrap
- Flask
- Node JS
- Angular JS

Junior Engineer

Tecco PVT LTD

2011 - 2012

- Built an enterprise application for managing the inventories, generating reports invoice and attendance management tools.
- Holding the responsibility for building the UI using HTML5, Bootstrap and Angular JS for laying responsive web pages for desktop and mobile devices.
- Schedulers to notify company when the bills are over due.
- Worked as an individual contributor.

Technologies used:

- Python
- jQuery
- HTML/SASS/CSS/Bootstrap
- Flask