

## **Abhishek Kapoor**

**Software Architect** 

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#### **Education**

M.Sc. Informatics (Delhi University)

#### **Work Experience**

- Medeva.io
  Feb 2019 Present
- Software Engineer
  Juxt Smart Mandate
  January 2015 Jan 2019
- Analyst (IT)
  Smart Mandate
  July 2014 December 2014
- Intern
   National Informatics Center
   May 2013 July 2013

#### **Project:**

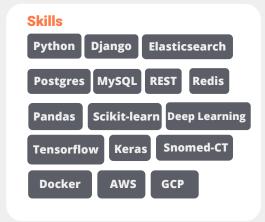
#### **Role Based Access Control**

Limiting the user control on the basis of assigned roles.

- Django middleware development for permission validation
- \* Custom Object Relational Mapping (ORM) development for LDAP using Apache Directory Server to perform following functions:
  - CRUD permission definition
  - o Role Creation
  - Group Role Definition
  - Role Assignment
- Tools used Apache Directory Server, Django, Apache Directory Studio

#### **Personal Profile**

Software engineer with 7 years of experience in developing the highly scalable business solutions with Python. Currently working with Medeva on building Al driven Electronic Health Record Platform.



#### **Project:**

#### Al Drive EHR system - Health Care

Application Architecture and Development:

- Digitization of Electronic Health Record for a doctor-patient interaction. As a senior Software rchitect my role was to develop back-end architecture. The process involved
  - Product feature were converted to story points
  - Data model architecture using ER diagram
  - API Listing and development
  - Tools Used For Development Python's Django Framework, Celery, Sentry, REST framework
  - o Database Used PostgreSQL, Redis
  - o Deployment Services Used Docker, ngnix, UWSGI
- Customize existing tool (Anafora) for Medical Coders for SNOMED-CT backed annotations. The tool consisted of following features
  - Automatic Token Suggestion:
    - Tools used Elastic Search, Python, SNOMED-CT API
  - o Structure Data and Storage:
    - Tools Used PostgreSQL, Python

#### **Project:**

### Restaurant User Review Analysis - Hospitality

To analyse the customer churn patterns on the basis of user reviews. The process consist of the following process:

- Customer Review's collection from restaurant aggregator websites using python and MongoDB database
- Data Wrangling by removing redundant html tags and stopwords
- Information Extraction from user reviews using Topic Modelling
- Sentiment Analysis of user review given the user topic
- Exploratory Data Analysis using the aggregated data

#### **Project:**

# **Summarized news letter generation**Summarized news letter generation

Summarized news letter generation based on user given categories. The process involved following steps

- Scrapers Development and storage
   Tools Used: Python, MongoDB
- Extractive Summarization
  - Tools Used: Python
- Send E-mails
  - o Tools Used: Python, MailChimp

#### **Project:**

#### **Personalised Auto-Suggestion**

User based auto complete recommendation

- For state of the art perfomance, recommendation was done using a scoring mechanism. The mechanism consisted of the score computation:
  - a. Collabrative filtering based scoringb. User based scoring