

# Chandru Selvaraj

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*Working as Software  
Developer/Solution Architect with  
United Health Group (**Python, Dot  
Net core**, ETL Process, WEB-API,  
Microservices). Possess good  
knowledge in analyzing and  
automating business process, strong in  
algorithm and data structure.*

## CORE COMPETENCIES

- Dot Net, Dot Net Core
- Python
- SQL/ORACLE

## PROFESSIONAL EXPERIENCE

### United Health Care (2020 Nov – Acquired by Client):

- Created **web services** (Dotnet core API) from scratch for existing legacy applications and created scope for automating dependent workflows.
- Created many **ETL** based projects with Python programming language (Concepts used: **Multithreading, NLogging, Reusable framework, Data Modeling**)
- Worked on process optimization like
  - Framework/Architecture creation for ETL flow
  - ETL Process migration to Airflow
  - Enhancements on data Handling and Processing with SQLAlchemy
  - **Singleton Architecture migration**(Dependency Injection)
- Worked on **CICD** pipeline for automated deployments and testing of applications

### KGISL , Client: United Health Care (2019 Nov to 2020 Nov):

- Working on replacing RPA (UiPath) projects with c# web API based console applications which are configured with SSIS packages to reduce cost and processing time of UiPath bots.
- Worked on multiple Dot Net web API based projects, created interface for other downstream applications to access data in abstract mode.
- OCR Based ML Project, worked with tesseract OCR with python as the programming language and automated health claim processing, manual process of opening and recording the receive date and claim number are automated with help of **Google Tesseract engine**. Achieved more than 98% accuracy.
- Created Many reusable components in c# and python which are used across multiple systems.

1. Wiki Scraper for scrapping specialty. c#
2. Name and Address Similarity match functions, c#
3. NLogger Module in Python and c#
4. NUCC Provider Taxonomy code excel update, Python
5. MDS to SQL framework, Python

### Cognizant, Client: CNO FIN (2017 November to 2019 October)

- **Web Application Development (ITPrint)** (c# language in MVC framework with SQL DB), worked in the project as junior software developer and have good understanding on various aspects of MVC structure
- Worked on **Dot Net core web API** project, Scraped ICD10 wiki pages for extracting specialty for each disease. (worked with

dotnet core libraries)

- Worked on Name match algorithms as part of an automation project. Algorithms used: Levenshtein Distance, Phonetic match.
- Created Macros with **VBA** programming Language to automate daily tasks and pull data from DB in a regular basis, checks the status of application and alert respective team in case of issue.
- Created many **C# console executables** to automate repetitive work which will be configured with a job in Autosys Agent (Cognizant tool to schedule executable run).

### Final Year College Project, Amrita University

- Developed a "Speech Visualizer" purely on **python** programming language using **NLTK** tool kit.
- It uses some advanced algorithms to capture the speech, tokenize them and derive the objects, places, people from speech and using google image rendering API to extract an image of that particular word and display it on the screen in real time.

## EDUCATION

### Amrita University, Coimbatore

*Bachelor of Technology in Computer Science Engineering, 2013-2017*

GPA 7.24/10.0

## ADDITIONAL SKILLS

- Can learn and adapt to any new technology easily
- Passionate reader of Finance/Business articles
- Good in communication, teamwork and time management
- Flexible to changing work environment.
- Self-motivating
- Love in building relationship with people