# JANAGAN GUNASEKARAN

Versatile backend developer with experience in AWS services, Python, Cloud computing to build high performance applications. Passionate about technology and innovation to achieve greater heights.

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**Website** : https://janagan-gunasekaran.github.io/info/

## EXPERIENCE

### IDP Education India Pvt Ltd, Chennai
Software Engineer                    [April 2022 - Present]

**IELTS Booking Application** - Serverless application using aws services like cognito, cloudformation, RDS, Lambda, api-gateway and SNS, SQS for pub/sub messaging and python.
Link : Sign in or Sign up | IDP IELTS
**AWS Microservices** - AWS Infrastructure deployed via CDK and terraform using cloudformation templates.
**CI/CD pipelines** with gitlab and docker for containerization.
**High quality code** is delivered using pylint, pyright, sonarqube, vulture.
**Data Model -**DB tables are created using yoyo migration and accessed using sqlalchemy ORM data models for data integrity.
**Contentful** (Headless CMS) - content management platform to create, manage and publish content via API.
Exposed to **Agile/scrum based development** and **TDD approach** in developing applications.

### Cognizant Technology Solutions, Chennai
Programmer Analyst          [November 2020 - March 2022]

Worked on a **search Engine** (Endeca) project where I had to take care of production deployments, build, etc.
Created **data manipulation python scripts** for relevancy analysis for clients using beautiful soup and pandas dataframes.
Worked on **Unit test cases and Pytest** to validate the functionalities of python code.
**FCA - HyperCare -** SharePoint Support - Livelink migrated to SharePoint and we supported the FCA UK clients on SharePoint platform. Worked on Powershell to create sites and rename sites in SIT and Pre-Prod environments. Enlightened new joiners with KT sessions on SharePoint, ticket handling, Service now tracker.

### NeuralMetrics Inc, Chennai
Python Developer Trainee          [July 2020 - November 2020]

Created web forms, **automation scripts** and **databases**. Web development using python flask framework.
Created prototype of **Market Edge web tool** which is used to query DB with filters. The user's input is changed to SQL query in the backend python script and data will be retrieved in the form of Excel sheets using python flask and SQL injection.
**Market Edge :** NeuralMetrics™ - MarketEdge
**Text Similarity Score** project using python flask which evaluates two strings as part of NLP.

## EDUCATION

### B.E-Materials Science and Engineering — 7.98 CGPA
College of Engineering, Guindy
AUGUST 2016 - November 2020

## PROJECTS

### Step Functions
Automate the PySpark jobs using Step functions and automated the lambda retry logic using SNS, SQS and using step functions.
Automate upload and download of files using step functions, S3, Lambda.

### ECR
Hosted containerized angular applications in AWS App Runner using ECR, Docker.

## TECHNICAL SKILLS

**Languages :** C, Python, Javascript (basics)

**Database :** MySQL, Postgres, SQLite

**Front end** : HTML, CSS, Python Flask, Django (basics)

**Python :** pandas, socket, request, urllib, pymysql, sqlalchemy

**OS** : Ubuntu, Windows, Linux

**Other** : AWS, CDK, Terraform, Sharepoint, Power Apps, Contentful, unittest, pytest, Sonarqube

## LANGUAGES

English
Tamil

## AREA OF INTEREST

AWS cloud computing
Programming
Web Development
DBMS

## ACTIVITIES

**AWS Overview -**
2022 - Present
Active participation and contribution to AWS meets in IDP.

**Students Affairs Secretary of SMSE**
2018 - 2019
Society of Materials Science and Engineering

**NATIONAL SPORTS ORGANIZATION**
2016 -2020
Member of National Sports Organization of CEG

**Placement Representative**
2019 - 2020
Materials Science and Engineering department.

## ACHIEVEMENTS

**EOQ Nominee (IDP) -** Nominated for the best employee of the IELTS project.

**Azure DP 900 certified** - Knowledge of core data concepts.