

NILOTPAL DAS

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Associate Software Engineer (~2 yrs.) Demonstrated experience in Backend API Development with a proven track record of technical skills. Strong business and technical vision with effective people skills to allow close work with senior management. Innovative and creative problem solver who is result oriented, has an aptitude for learning.

KEY SKILL SETS

- **Languages:** Python, Pandas, Numpy
- **Web technology:** React JS
- **REST Services:** Django, Fast API & Flask
- **CRM Tools and Platform:** GIT, TFS, CI, Agile, Scrum, JIRA,
- **Cloud Platform:** GCP (Google Cloud Platform), AWS
- **Design and documentation:** Design Pattern, UML, TDD
- **Databases:** Sql, MongoDB, SQLite, PostgreSQL, CouchDB and Couchbase
- **Scripting:** UNIX and Linux shell environments using command line utilities
- ZMQ, WUSGI, NGINX

KEY FUNCTIONAL EXPOSURE

- Experience analyzing very large, complex, multi-dimensional data sets and developing analytic solutions using Python.
- Developing a large Python based back-end processing application.
- Provided support to Application and database team, troubleshoot issues encountered while providing support, contact AWS and GCP Support whenever necessary.
- Experienced with Python programming and Python libraries for data science included in the Anaconda distribution including Numpy, pandas. Python packages like, SciPy, tables etc.
- Analysis and design skills for N-Tier application.
- Writing SQL complex queries.

PROFESSIONAL EXPERIENCE

APPLITECH SOLUTION PVT LTD— Bangalore, India

Associate Software Engineer, Aug-2022 to till date

Roles & Responsibilities: Developed front-end and back-end of the application using python on Django web framework and react-js. Automating data movements using python scripts, involved in splitting, validating and processing of files. Used several python libraries like Numpy, Pandas. Involved in building database Model, APIs and Views using Python. Designed and managed API system deployment using fast http server and Amazon AWS architecture. Stored the data in the form of JSON structure-based documents, stored in a collection using Aurora PostgreSQL.

Tools & Technologies: Python, NumPy, Pandas, Django, SQLite, Aurora PostgreSQL, MySQL, GCP, AWS, ZMQ, WUSGI, NGINX.

Key Projects:

NPRC API: This is a backend process in the REST API, which has been consumed into different applications like healthcare website, token generator etc. We have used Python, Django REST framework.

NPRC Admin: This is a Django based admin management system where user, booking and patient assessment managed. We have used Python, Django, PostgreSQL, and AWS.

NPRC Healthcare: This is a react based physio healthcare portal where patient can book their appointments and get their reports. We have used React-JS.

Payment Receipt Generator: This is a python based receipt generator for patient.

Access API Gateway: This is a Django Rest Framework based access management where access, roles and policies defined for the multiple modules to access. We have used Django Rest Framework.

KMS API: This is a backend process in the REST API (Node JS Nest Framework), which has been consumed into different applications like healthcare website, KMS system etc. We have used Node JS Nest Framework.

KMS Admin: This is a React based admin management system where treatment programs, fitness exercise recommendations and patient FAQ managed. We have used React, MySQL, and GCP.

KMS (Knowledge Management System): This is a react based KMS system where patient can search their treatment programs and fitness exercises. We have used React-JS.

Payment Gateway Integration: This is python based payment gateway integration application which is integrated with NPRC program and KMS program.

EDUCATION AND CERTIFICATIONS

Certified: AWS Cloud Practitioner, Python Developer - Professional

BE: Bachelor of Engineering (Mechanical), 2018-2022 with 73.74% marks.

High School: 2018 with 60% marks.

Other certifications:

1. Deep Dive (Part1-Functional) - Certified By Udemy
2. Build a backend Rest API with Python and Django-Advanced - Certified By Udemy
3. Deep Dive (part4-OOP) - Certified By Udemy
4. AWS Lambda and Serverless Architecture Bootcamp - Certified By Udemy

PERSONAL DETAILS

■ **Date of Birth:** 27-Aug-1999

■ **Language Proficiency:** English and Hindi

■ **Marital Status:** Unmarried

Disclaimer: I hereby declare that all the details provided above are true to the best of my knowledge.