**AMBIKA SHYAM SUNDAR**

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# PROFESSIONAL SUMMARY– DATA ENGINEERING AND DATA SOLUTIONS ARCHITECT

Python developer with 2 years of experience in Business Perspective. Well-acquainted with database, data warehouses, and data processing. Proficient with Python frameworks and related data such as Django, Pandas. **Snowflake certified.** Currently working as Senior Data Engineer.

**LANGUAGES AND TOOLS**

* **Python-Django Framework**
* **AWS – Python**
* ***Script Languages-*** Html, **CGI-Python**
* ***Front-End Design Languages*** -VB 6.0, Java, VBA with Excel
* ***RDBMS*** – Sql Server 2005 , AWS Snowflake
* ***Languages*-** Oracle & PL/Sql, Java, C, C++
* ***Tools-*** **Sqlite3**
* ***GUI***- Developer2000 (Forms 6i, Reports6i)
* ***Web-Design Languages*** - JSP – Servlets ,ASP
* ***Operating Systems*** – Windows 7,XP,2000
* **WEB SERVER(S) – XAMPP Apache tomcat**

**WORK EXPERIENCE**

1. Consultant Engineer (Engine Test Facility) Gas Turbine Research Establishment, DRDO. From February 2008 to June 2009.
2. Software Engineer ***(Application Programmer)*** Defence Avionics & Research Establishment (**DARE**), DRDO from September 2006 to Jan 2008
3. Software Programmer (***Database Maintenance***) Integrated Enterprises India Limited from May 2005 to May 2006
4. Software Engineer (***ERP Domain Analyst & Programmer***) Sampark Info Solutions From Nov 2004 to May 2005

**A SUMMARY OF SUCCESSFUL ACOMPLISMENT OF PROJECTS AT WORK:**

## #8 Organization: Anjane Technologies Period: October 2021 – Till Date

Role: Python Developer

**Stanley Black & Decker** is the world's largest tool company that offers manufacturer of industrial tools and household hardware and provider of security products. Collaborated with Data Engineers, used Python scripts to load the data into AWS Snowflake database. Involved in processing the streaming data as well as batch data using snowflake stages. Delivering projects with 5-6 days turnaround time.

* Responsible for reviewing the BRD’s for deriving inputs.
* Responsible for mapping and logical modelling.
* Design the code required for database structures and components.
* Work with multiple data sources
* Read data from flat files, csv files and excel files and load into database.
* Developed mappings, sessions and workflows to extract, validate and transform data according to the business rules.
* Designed database tables to meet business information needs.
* Writing python scripts (using python functions and classes) to load the data into Snowflake .
* Created common reusable code and overlooking coding standards.
* Performed unit testing for the user acceptance of data and tuned for better performance.
* Creating various documents such as source-to-target data mapping document and unit test document.
* Creating Run book for implementation of the project at production.

## #7 Organization: Real Time Signals Period: Januay 2019 – October 2021

* Responsible for training students in Basic Python Programming and Django Framework.
* Have created course materials both for classroom and online along with assignments and test materials.
* Have guided few institutes in my locality with my learning materials of python . Have provided professional online test through Scout Live Portal. Dedicated and result- driven technical instructor.
* Work closely with the technology to develop overall technology learning and development.
* Demonstrate in an efficient, effective and timely approach to understand programming concept.

## #6 Organization: Acengage Period: Januay 2018 – January 2019

* Responsible toDevelop automation of tasks using macros and Excel packages ❑ Create and update automated scripts for charts, and data tables on a monthly basis.
* Knowledge in specific data base/reporting work experience
* Participate in requirements gathering sessions to understand, capture and validate new requirements for development/modifications/enhancements

## #5 Organization: United Capital Club Period: Januay 2017 – December 2017

* Responsible for posting ads in the internet, getting responses from the clients
* Fixing appointment for them for the Orientation
* Fixing up the Joinees
* Fixing Tourism clients by posting ads in the internet.
* Digital Marketing

## #4 Organization: GTRE, DRDO Period: July 2008-June 2009

Responsible for the development of prototype software, using LabView, for the Simulation of Gas Turbine Engine Run test. Executed Network testing environment using TCP/IP protocol and Data Socket Server.

Tools Used:

TCP/IP Networking tool

* Web Publishing Tool
* Remote Panel manager tool
* Report Generation Tool

## #3: Organization: DARE, DRDO Period: Sep 2006 – Jan 2008

1. **Augmentation of the Central Server and Repository (DRONA Server):**

DARE, maintains WebPages for the entire DRDO labs around India using a central server called “DRONA”. Thus enabling a single point Updation; which is administrated and maintained through the DRONA Project

1. **Employee Data Base Management - VB 6.0 WITH ORACLE 9i, VBA with Excel, SQL SERVER 2000, SQL SERVER 7.0**

### 3. Implementation of Human Resource Management Information Systems, Library management

* Developer 2000 and Oracle and PL/Sql Programming.
* Automation of DARE HRMIS, Library Process and transactions And Thus enabling a single point management
* Creation of the database structure by effective use of Oracle-9i
* Excellent usage of some of the advanced features like Cursors, procedures, functions, packages, and database triggers in Oracle and PL/SQL
* Efficient creation of the user interface (UI) forms using Forms 6i and reports using Reports 6i

1. **Networking Tasks*:***

Designing and implementation of the organization’s network infrastructure

* + Installed and configured workstations for IP based LAN
  + Successful creation of user accounts on the Windows 2003 server (Enterprise edition)
  + Managing User accounts using Active Directory and providing secure extension of network operations to the web.
  + Automation of Network management of user data, security, distributed resources and enabling the interoperation with the other directories.
  + Provided training to staff on TPS systems (Routers and Firewall)
  + Configuration of the organization wide Microsoft outlook for Intranet Mail Facility

1. **Web Based Programming - ASP and ORACLE 9i, SQL SERVER 2000,7.0:**

## #2: Organization: IEP Period: MAY 2005 – MAY 2006

### 1. Database Management/Maintenance For Pan Application Process

* Played a mission critical role in trouble shooting and resolving issues pertaining to Process Work Flow (PAN Application – Data Base Management/Maintenance)
* Architecturing of the process flow for processing of all PAN applications done through a user interface, designed using VB 6.0 with Sql-Server2000 as backend interface
* Efficient handling of all network related issues during the process workflow
* In charge of Production Management and client interactions in Karnataka and effective coordination to address issues with NSDL, Mumbai

**SQL SERVER 7.0, 2000, 2005 AND VB 6.0 ,Oracle and Pl/Sql**

## #1 Organization: SAMPARK INFO SOLUTIONS Period: NOV 2004 – MAY 2005

* Responsible for gathering business requirements, writing technical specifications, scope releases, managing development with other departments such as Material Management and HRMS and Quality Assurance
* Analysing work for the Marketing Domain (Implementation of ERP strategies to attain a complete business solution prior to the Business specification)
* Adding intelligence to the client„s business using Java Swings

The work involved compiling of a comprehensive project status report, which also involved development of the project plans. Actively led product demonstrations, and presenting of design proposals both internally and to the customer

# ACADEMICS

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| --- | --- | --- | --- | --- |
| **Degree** | **%** | **Period** | **Institution** | **Board / University** |
| B.E  (Comp. Science) | 78.2 | 2000 – 2004 | M.A.M College Of Engineering, Trichy | Bharathidasan University |
| HSC | 86.9 | 1997 – 1999 | Town Higher Secondary School, Kumbakonam | Tamil Nadu State Board |
| SSLC | 91.4 | 1996 – 1997 | Town Higher Secondary School, Kumbakonam | Tamil Nadu State Board |