

VISHNU N S

Python / Data Engineering Consultant

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EXPERIENCE

DC Consultant

Dec 2024 – Present

Deloitte.

Bangalore, India

- Lead data-migration ETL streams using **AWS Glue** and **PySpark**.
- Designed and maintained transformation workflows driven by **DMOW** specifications extracted from SAP source systems.
- Loaded curated data sets into target platforms ensuring schema parity and data quality SLAs.
- Developed automation for WeBuy document migration using **SAP Operational Reporting for Procurement – Attachment API**.

Associate IT Consultant

Apr 2021 – Nov 2024

ITC Infotech

Bangalore, India

- Led Python back-end development for Flask / SQL-Alchemy web applications.
- Administered MySQL databases and built automation for data-handling pipelines.
- Containerised and deployed workloads via Docker and Azure DevOps CI/CD.
- Mentored interns; delivered knowledge-transfer sessions on Python, Flask, CI/CD.
- Owned data-engineering extracts feeding analytics dashboards.

Project Trainee

Dec 2020 – Apr 2021

ITC Infotech

Bangalore, India

- Back-end developer for Flask + MySQL applications; triaged ReactJS defects.

TECHNICAL SKILLS

- **Languages:** Python, PySpark, SQL, C, C++
- **Frameworks:** Flask, SQL-Alchemy
- **ETL / Data:** AWS Glue, Airflow, Pandas, DMOW, SAP Data Services
- **Cloud:** AWS (S3, Glue, IAM, CloudFormation), Microsoft Azure
- **DevOps & Containers:** Docker, Azure DevOps, Git
- **Databases:** MySQL
- **Other:** Nginx, Gunicorn, Operational Reporting for Procurement – Attachment API

PROJECTS

DMOW Data Migration | AWS Glue, PySpark, SAP

Dec 2024 – Present

Client: Boehringer-Ingelheim

- Designed end-to-end ETL pipeline aligned to DMOW extraction definitions from SAP ECC.
- Built PySpark jobs in AWS Glue to cleanse, transform and load 1TB+ data
- Implemented data-quality framework (row-count, hash totals, business rules) triggering SNS alerts.
- Achieved 35 % runtime improvement via partition pruning and dynamic frame push-downs.

WeBuy Document Migration | AWS Glue, Python, SAP Attachment API

Dec 2024 – Present

Client: Boehringer-Ingelheim

- Automated migration of procurement attachments between SAP systems using Operational Reporting for Procurement – Attachment API.
- Developed Glue Python shell jobs for parallel extraction, S3 staging and re-ingestion.
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Trade Next | *Flask, SQL-Alchemy, MySQL*

Apr 2021 – Nov 2024

Client: ITC Agri Business

- Digitised auction workflow for traders and suppliers; handled live bidding with WebSockets.
- Set up Airflow scheduler for SMS / email notifications.
- Deployed on Azure using Nginx + Gunicorn; CI/CD via Azure DevOps.

ASTRA – Analytic-led Sourcing Transformation | *Flask, Docker, Airflow*

Dec 2020 – Nov 2024

Client: ITC Agri Business

- Platform capturing crop-arrival data and surfacing ML predictions for buying plans.
- Containerised web & model services, orchestrated via Airflow; implemented CI/CD.

EDUCATION

M.Tech, Computer and Information Science

GPA 7.6

CUSAT, Kochi

Aug 2019 – Apr 2021

B.Tech, Computer Science and Engineering

GPA 6.9

CUSAT, Kochi

Jul 2014 – Apr 2018

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (2024)
- AZ-900: Microsoft Azure Fundamentals

COURSES

- Introduction to Databases – Meta (Coursera)
- Continuous Delivery Managing Builds with Azure DevOps – Coursera
- Version Control – Meta (Coursera)
- Database Structures Management with MySQL – Meta (Coursera)
- Programming in Python – Meta (Coursera)

AWARDS & RECOGNITION

- Pat On The Back – High Five Squad, ITC Infotech (2022)
- Pat On The Back – Ace Attendance, ITC Infotech (2022)
- Role Model Performer – Annual Evaluation, ITC Infotech (2021)

ACHIEVEMENTS

- Elected University Union Council Representative (2019-2021)
- Rashtrapati Scout Award (2011)