

Vishwas Arunkumar

Senior Data Engineer

A data engineer experienced in building data platforms and a Msc in Data Science.

I enjoy working with data and building simple scalable solutions



Dubai, UAE
vishwas.ma@gmail.com

SUMMARY

- Design and build of data platforms
- Design and development of data marts and data lakes
- Design and development of batch and real time ELT
- Productionizing ML models and services
- Collaborating with data scientist and business users
- Defining a MVP and organizing tasks into sprints
- Managing and mentoring teams
- **Languages:** Python, Golang, SQL
- **Databases:** Snowflake, Oracle, MS SQL Server, PostgreSQL
- **ETL:** Airflow, SSIS
- **DevOps:** Docker, Terraform
- **Cloud Platforms:** AWS
- **Domains:** Retail, Finance, Insurance
- **Education:** Msc in Data Science (University of London)

EXPERIENCE

LYST

Senior Data Engineer
London, UK

MAY 2021 - Present
(6 months)

Role: Working on content personalization to drive user engagement

Tech Stack: AWS Batch, Step Functions, Terraform, Snowflake, Python

- Productionized user-product recommendation models using AWS Batch and AWS Step Functions
- Developed a service in Python to expose user-product recommendations as an API to the app
- Set up A/B tests for different versions of the recommendation models
- Helped define the overall strategy and direction of the product team
- Transformed business requirements into technical deliverables that were scoped, estimated, prioritized and broken down into sprints

River Island

Senior Data Engineer
London, UK

FEB 2018 - MAY 2021
(3 years 3 months)

Role: Built a self serve data platform on AWS and worked on solving problems around stock replenishment and allocation

Tech Stack: Airflow on ECS, Lambdas, Snowflake, SQS, Terraform, Python, Golang

- Collaborated with architects and product owners to develop the overall vision of the data platform
- Developed a framework for validation of data ingested into the data lake using AWS Lambda functions
- Developed a pipeline to expose real time events (SQS, Lambda) from a legacy oracle OLTP to the data lake (S3) in AWS
- Developed Airflow DAGS for batch ELT of data
- Collaborated with data scientists to productionised demand forecast models to drive allocation and replenishment of products to stores.

Tata Consultancy Services

(6 years 10 months)

Lead Data Engineer
Birmingham, UK

JUL 2016 - SEP 2017
(1 year 3 months)

Role: Worked with actuaries to build new insurance products

Tech Stack: Oracle/SQL

- Designed and developed Oracle PL/SQL modules for new annuity products based on statistical models
- Developed python scripts to process and load semi-structured statistical data into the database
- Collaborated with actuaries and technical architects
- Documented technical specifications and performed code and design reviews

Lead Data Engineer
Bangalore, India

JUL 2015 - JUN 2016
(1 year)

Role: Building a new data platform for the reporting of hedge fund data

Tech Stack: Oracle/SQL

- Designed and developed a scalable framework for reporting of hedge fund investments
- Designed and developed PL/SQL modules for bulk processing of data for financial statements

Senior Data Engineer
Melbourne, Australia

OCT 2013 - JUL 2015
(1 year 10 months)

Role: Building a platform for data analysis

Tech Stack: Oracle/SQL

- Developed data marts and ETL scripts in PL/SQL to aid downstream analysis
- Collated data from multiple sources into a data mart with partitioned tables and materialized views.
- Implemented a framework for parallel extraction and processing of Terabytes of data

Senior Software Engineer
Bangalore, India

DEC 2010 - SEP 2013
(2 years 10 months)

Role: Building a windows client for managing superannuation

Tech Stack: Microsoft SQL Server|SSIS

- Designed a framework for ETL of structured and semi-structured data using SSIS
- Developed batch processes in TSQL to perform financial transactions and reconciliations

Accenture

Software Engineer/Senior Software Engineer
Bangalore, India

JUN 2006-NOV 2010
(4 years)

Role: Backend development for a web app

Tech Stack: Microsoft SQL Server|SSIS