Vishwas Arunkumar
Senior Data Engineer

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A data engineer with experience in building data platforms and a Msc in Data Science. I enjoy working with data and building simple scalable solutions

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 - OCT 2021
(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   **JUL 2016 - SEP 2017**
Birmingham, UK   **(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   **JUL 2015 - JUN 2016**
Bangalore, India   **(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   **OCT 2013 - JUL 2015**
Melbourne, Australia   **(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   **DEC 2010 - SEP 2013**
Bangalore, India   **(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   **JUN 2006-NOV 2010**
Software Engineer/Senior Software Engineer   **(4 years)**
Bangalore, India
Role: Backend development for a web app
Tech Stack: Microsoft SQL Server|SSIS