

CONTACT

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SKILLS

- **Languages:** Python, Golang, SQL
- **Databases:** Snowflake, Oracle, MS SQL Server, PostgreSQL
- **ETL:** Airflow, SSIS
- **DevOps:** Docker, Terraform
- **Cloud Platforms:** AWS

EDUCATION

Msc Data Science
Birkbeck, University of London
OCT 2017 - OCT 2019

DOMAINS

- Retail
- Finance
- Insurance

Vishwas Arunkumar

Senior Data Engineer

Dubai, UAE.

EXPERIENCE SUMMARY

- Cloud native design, build and deployment
- Design and build of cloud based data platforms
- Design and development of data marts and data lakes
- Design and development of batch and real time ETL workflows
- Productionizing ML models and services
- Collaborating with data scientist and business users to capture requirements
- Transforming business requirements into technical deliverables that are broken down and scoped into sprints
- Managing teams, mentoring junior team members and performing code reviews

EXPERIENCE

LYST

Senior Data Engineer

AWS | Python

London, UK

Domain: Retail

MAY 2021 - OCT 2021

(6 months)

Role: Working on in-app content personalization

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

River Island

Software Data Engineer

AWS | Python | Golang

London, UK

Domain: Retail

FEB 2018 - MAY 2021

(3 years 3 months)

Role: Worked on building a modern cloud based data platform on AWS and solving problems around stock replenishment and allocation.

- Collaborated with data scientists to productionised demand forecast models using Airflow on EKS and serverless services on AWS to drive daily allocation and replenishment of products to stores.
- Developed a serverless framework for governance of data ingested into the data lake
- Developed a pipeline to expose real time events from a legacy oracle based merchandising system to the data lake in AWS

- Collaborated with business users to understand problems and bottlenecks to designing technical solutions that were scoped and broken down into projects
- Collaborated with architects to contribute to the overall design and development of the data product

Tata Consultancy Services
(6 years 10 months)

Domains: Insurance and Finance

Lead Data Engineer
Oracle/SQL
Birmingham, UK

JUL 2016 - SEP 2017
(1 year 3 months)

Role: Worked with actuaries to build new insurance products

- Designed and developed Oracle PL/SQL modules for new annuity products based on statistical models
- Designed a schema for optimum storage and retrieval of data for OLTP and statistical analysis
- 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
Oracle/SQL
Bangalore, India

JUL 2015 - JUN 2016
(1 year)

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

- Designed and developed a scalable framework for reporting of hedge fund investments
- Evaluated performance of different approaches to process and transform large volumes of data
- Designed and developed PL/SQL modules for bulk and delta processing of data for financial statements
- Developed an application to maintain metadata in reports to eliminate the need for users to understand processes and operations

Senior Data Engineer
Oracle/SQL
Melbourne, Australia

OCT 2013 - JUL 2015
(1 year 10 months)

Role: Building a platform for data analysis

- 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
- Interacted with client teams to understand the data requirements

Senior Software Engineer
Microsoft SQL Server | SSIS
Bangalore, India

DEC 2010 - SEP 2013
(2 years 10 months)

Role: Building a windows client for managing superannuation

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

Accenture
(4 years)

Domain: Online Learning

Senior Software Engineer
Software Engineer
Microsoft SQL Server | SSIS
Bangalore, India

MAR 2009 - NOV 2010
JUN 2006- MAR 2009
(4 years)

Role: Building a web application which delivered learning and training content within Accenture

- Developed modules in TSQL, ASP and JS
- Developed a utility in SSIS to process the server logs and perform user behavior analysis
- Performed performance analysis and fixes at the end of each release
- Collaborated with client teams to gather requirements and documented functional specifications