James Dumbell

Senior Software Engineer

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About

Polyglot software engineer with expertise across web development, data engineering and devOps. Experience in leading engineering teams, embedding practices and agile ways of working. Functional programming advocate with an interest in systems programming.

Skills

Languages
Typescript, Scala, Golang, Python

Cloud & DevOps
AWS, GCP, Terraform, CDK, Serverless Framework, Docker, Github Actions

Databases
Postgres, MongoDB, DynamoDB, Snowflake

Frameworks
React, NestJS (REST), Apollo (GraphQL), Flask, Apache Spark, Pandas, Airflow, Dagster, DBT

Experience

Infinity Works
Senior Software Engineer, Jul 2021 - Present
Software Engineer, Jul 2019 - Jul 2021

Senior software engineer at a technology consultancy, working across a variety of London-based projects & clients:

Sainsbury's

- Built a serverless full-stack web app (Typescript, NodeJS, React, MongoDB) that allowed advertisers to build digital audiences and campaigns using Sainsbury's customer data.
- Developed the backend systems to process over 100 million daily supply chain datapoints and populate a datalake (S3) & data warehouse (Snowflake). Also built REST APIs (Python, Flask) to expose this data to other systems.

Convex

- Designed and implemented a number of core business web apps (NextJS) and backend services (NestJS, Golang, Postgres) for an insurtech scale-up to enable underwriters to capture data and manage workflows.
- Built services in Scala to orchestrate and ingest business data sources to an S3 datalake via Apache Spark jobs on EMR.

Wonderbly
Senior Growth Analyst, Sep 2018 - Jun 2019

Lead analyst and data engineer, working with data sources from across the business (including marketing, finance & operations). Built dashboards (Looker) and scalable data pipelines to ingest (Python), transform (SQL) and model in a data warehouse (AWS Redshift).

Spark44
Data Engineer / Analyst, Oct 2016 - Sep 2018

Data engineer and analyst at the creative agency for Jaguar Land Rover. Built and maintained ETL pipelines to ingest website events into a data warehouse (GCP BigQuery), orchestrated by a Python application (Airflow) running on GCP Compute Engine.

Education

University of Manchester, 2011 - 2015
Master of Mathematics (MMath)

Wolverhampton Grammar School, 2004 - 2011
A-levels: Maths, Physics, Further maths, Chemistry

Certifications

Snowflake
SnowPro Core, June 2020